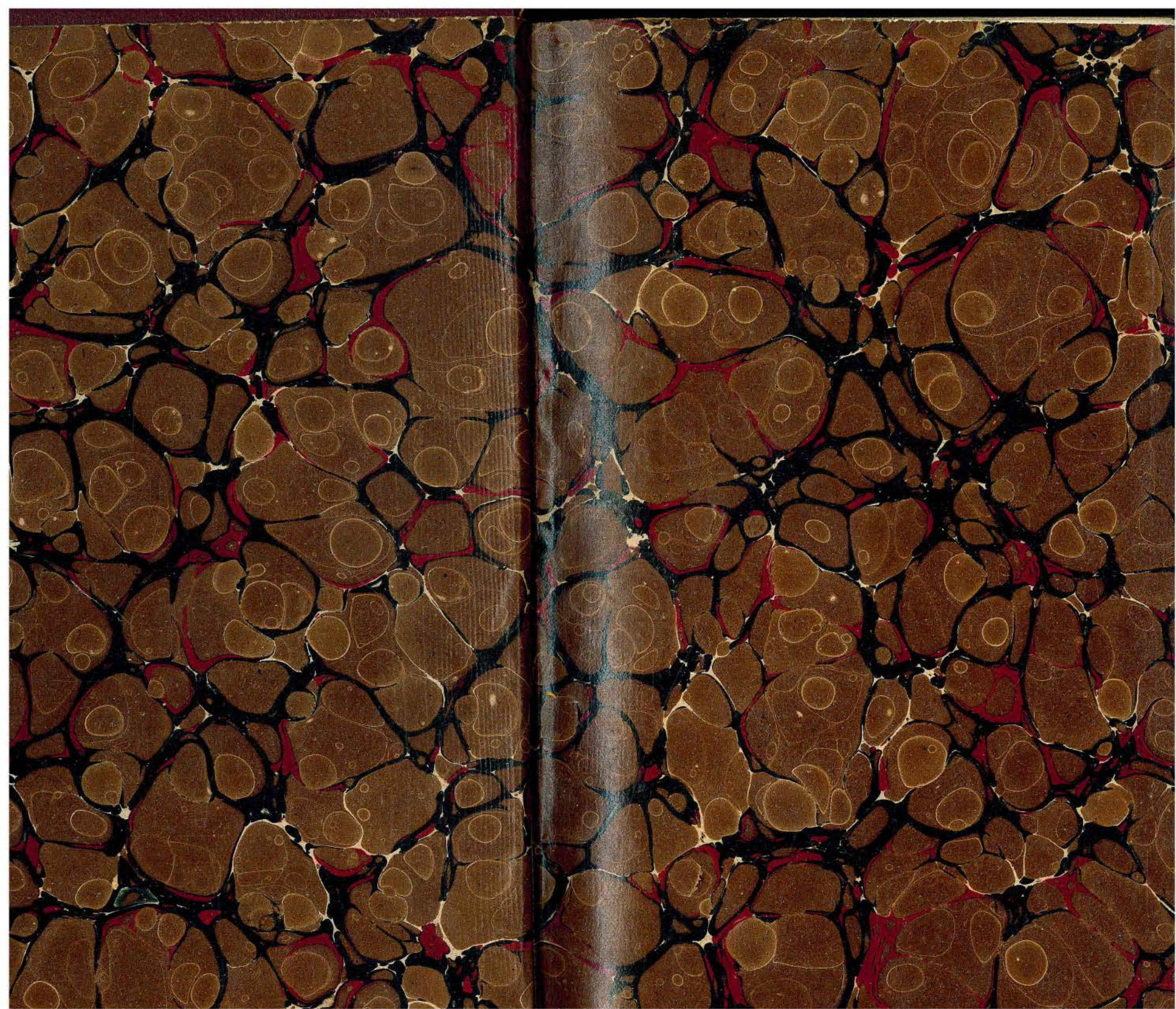


FOURTH ANNUAL REPORT  
OF THE  
CITY OF RUTLAND  
VERMONT

1896



FOURTH  
**Annual Report**  
—OF THE—  
**City of Rutland**  
**Vermont**



—FOR THE—  
Year Ending December 31st, 1896

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RUTLAND  
PRESS OF GEORGE E. PELTON  
1897



## CITY OF RUTLAND.

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IN CITY COUNCIL,  
January 5, 1897. }

*Ordered:* That the standing committee on Printing be authorized to cause to be printed fifteen hundred (1500) copies of the reports of the different departments of the City Government, together with the message of His Honor Mayor Browne, for the year 1896.



# GOVERNMENT

—OF THE—

## CITY OF RUTLAND.

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MAYOR.

HON. THOMAS H. BROWNE.

Office,  
City Hall.

Residence,  
63 Cherry Street.

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BOARD OF ALDERMEN.

PRESIDENT.

HENRY A. SAWYER.

Office,  
59 Merchants Row.

Residence,  
44 Washington Street.

ALDERMEN.

Ward One.

WILLIAM F. BURDITT . . . . . 70 No. Main Street.

Term expires 1897.

Ward Two.

JAMES DOUGHERTY . . . . . 46 Killington Avenue.

Term expires 1898.

Ward Three.

HENRY A. SAWYER . . . . . 44 Washington Street.

Term expires 1897.

## Ward Four.

NATHANIEL S. STEARNS . . . . . 88 Center Street.

Term expires 1898.

## Ward Five.

ALFRED P. FULLER . . . . . 21 Church Street.

Term expires 1897.

## Ward Six.

HIRAM F. NOYES . . . . . 27 Baxter Street.

Term expires 1898.

## Ward Seven.

GEORGE E. ROYCE . . . . . 29 Grove Street.

Term expires 1897.

## Ward Eight.

JOHN W. BRISLIN . . . . . 104 South Street.

Term expires 1898.

## Ward Nine.

GEORGE C. THRALL . . . . . 140 No. Main Street.

Term expires 1897.

## Ward Ten.

JOHN J. BARRETT . . . . . 21 Evergreen Avenue.

Term expires 1898.

## Ward Eleven.

EMMETT B. ALDRICH . . . . . 109 Gibson Avenue.

Term expires 1897.

## STANDING COMMITTEES

—OF THE—

## CITY COUNCIL AND BOARD OF ALDERMEN

FOR THE YEAR ENDING MARCH 31, 1897.

## ON LEGISLATION.

Thrall, Royce, Sawyer.

## ON FINANCE.

Royce, Sawyer, Noyes.

## ON STREET DEPARTMENT.

Stearns, Royce, Burditt.

## ON WATER DEPARTMENT.

Aldrich, Fuller, Dougherty.

## ON FIRE DEPARTMENT.

Burditt, Barrett, Aldrich.

## ON POLICE DEPARTMENT.

Brislin, Aldrich, Noyes.

## ON LIGHTS.

Noyes, Dougherty, Fuller.

## ON MATERIALS AND SUPPLIES.

Fuller, Burditt, Royce.

## ON CHARITIES AND CORRECTIONS.

Brislin, Thrall, Sawyer.

## ON RAILROADS.

Stearns, Sawyer, Dougherty.

## ON CITY PROPERTY.

Barrett, Thrall, Royce.

## ON LIBRARY.

Thrall, Fuller, Brislin.

## ON CEMETERIES.

Noyes, Barrett, Thrall.

## ON LIQUOR.

Dougherty, Burditt, Aldrich.

## ON HEALTH.

Fuller, Aldrich, Stearns.

## ON PRINTING.

Sawyer, Barrett, Burditt.

## ON LICENSES.

Aldrich, Stearns, Brislin.

## ON ELECTIONS.

Barrett, Noyes, Stearns.

## ON SALARIES.

Dougherty, Brislin, Burditt.

## CITY OFFICERS.

## CITY CLERK.

HARRY B. WHITTIER . . . . . Office, City Hall.  
Residence, 30 West Street.

## CITY TREASURER.

WILL L. DAVIS . . . . . Office, City Hall.  
Residence, 35 Church Street.

## CITY CONSTABLE.

FRANK L. CLARK . . . . . Office, City Hall.  
Residence, 49 East Street.

## JUDGE OF CITY COURT.

JAMES A. MERRILL . . . . . Office, Clement Block.  
Residence, 2 Aiken Place.

## ASSISTANT JUDGE OF CITY COURT.

WAYNE BAILEY . . . . . Office, County Court House.  
Residence, 31 No. Main Street.

## CITY ATTORNEY.

PETER F. McMANUS . . . . . Office, Clement Building.  
Residence, 248 West Street.

## CITY ENGINEER.

SIDNEY SMITH . . . . . Office, City Hall.  
Residence, 41 Kingsley Avenue.

## SUPERINTENDENT OF STREETS.

JOHN A. SHELDON . . . . . Residence, 12 No. Main Street.

## SUPERINTENDENT OF WATER WORKS.

JOSEPH M. DAVIS . . . . . Office, 19 Grove Street.  
Residence, 35 Church Street.

## OVERSEER OF POOR.

JAMES BEATTIE . . . . . Office, City Hall.  
Residence, City Farm, Woodstock Avenue.

## CITY PHYSICIAN.

DR. H. L. NEWELL,  
Office and Residence, 40 Washington Street.

## INSPECTOR OF FOOD.

DR. W. W. TOWNSEND . . . Office, 50 Center Street.  
Residence, 44 So. Main Street.

## INSPECTOR OF BUILDINGS.

GEORGE E. CLARK,  
Office and Residence, 8 Washington Street.

## INSPECTOR OF WEIGHTS AND MEASURES.

FRANK W. KNAPP . . . . . Office, Howe Scale Works.  
Residence, 15 Madison Street.

## CITY WEAIGHER.

HUGH DUFFY . . . . . Office, Evelyn Street.  
Residence, 175 West Street.

## SURVEYOR OF WOOD AND INSPECTOR OF LUMBER.

D. M. WHITE . . . . . Office, Strong Avenue.  
Residence, 33 So. Main Street.

## CITY LIQUOR AGENT.

E. H. WOOD . . . . . Office, 40 Center Street.  
Residence, 50 Library Avenue.

## CITY FORESTER.

W. D. LANE, Office and Residence, 125 Church Street.

## JANITOR OF CITY BUILDINGS.

T. BENTON KELLY . . . Residence, 40 Prospect Street.

## BOARD OF HEALTH.

DR. WILLIAM M. STEARNS, Sec'y and City Health Officer.  
Office, 38½ Center Street.  
Residence, 88 Center Street.

GEORGE P. RUSSELL, EDWARD LAREAU.

## CEMETERY COMMISSIONERS.

B. W. MARSHALL, M. QUINN, OWEN MEEGAN.

## PARK COMMISSIONERS.

CHAS. P. HARRIS . . . . . Term expires, 1897.  
THOMAS C. ROBBINS . . . . . Term expires, 1898.  
EDGAR B. MOORE . . . . . Term expires, 1899.

## POUND KEEPERS.

CALEB P. BUFFUM, ANDRUS B. ENGREM.

## FENCE VIEWERS.

GEO. H. GRIMM, JOSEPH B. NEEDHAM, M. DUCHARME.

## ASSESSORS.

WALTER A. CLARK . . . . . Term expires, 1897.  
JOHN N. WOODFIN . . . . . Term expires, 1898.  
GEORGE H. VERDER . . . . . Term expires, 1899.

## AUDITORS.

GEO. F. LEONARD, CHAS. W. PENNINGTON,  
ALBERT BROUSSEAU.

## DRAIN LAYERS.

GEO. F. BROWN . . . . . Residence, 16 Nichols Street.  
W. W. YOUNG . . . . . Residence, 17 Engrem Avenue.

## COMMISSIONERS OF SINKING FUND.

THOMAS H. BROWNE, Mayor, *ex-officio*.  
WILL L. DAVIS, Treasurer, *ex-officio*.  
GEORGE E. ROYCE, Chairman Finance Com., *ex-officio*.  
NAHUM P. KINGSLEY.  
CHARLES CLARK.

## POLICE DEPARTMENT.

## CHIEF.

THOMAS C. ELWORTH . . . . . Office, City Hall.  
Residence, 110 Park Avenue.

## PATROLMEN.

THOMAS C. ELWORTH,	EDW. M. KNOX,
JOSEPH MERCIER,	JOHN F. SMITH,
BERNARD M. HUGHES,	JOHN P. CLIFFORD.

## SPECIAL POLICEMEN.

Charles W. McGuirk,	Michael Sweeney,
Peter Lorette,	P. H. McDonald,
D. J. Healey,	John W. Brislin,
George Avery,	J. E. Roach,
Bartley Costello,	Tab Geno,
Patrick Foster,	James C. Lynch,
William E. Gleason,	Thos. M. Buckley,
Martin Kennedy,	John H. Grimes.

## FIRE DEPARTMENT.

## CHIEF.

KINGSLEY K. HANNUM . . Office, Central Fire Station.  
Residence, Berwick House.

First Assistant . . . . . GEORGE W. DUNTON.  
Second Assistant . . . . . JOHN J. CATEN.  
Third Assistant . . . . . JAMES E. CREED.  
Fire Marshal . . . . . CHARLES L. ROBINSON.  
Superintendent of Fire Alarm . . . . . R. D. BEALS.

## FIREMEN.

Daniel A. Cocklin,	Nelson A. Malmgren,
John Corey,	James McIvor,
George W. Farr,	George W. Morse,
Alick M. Keefe,	John J. O'Brien,
Frank H. Wood,	Albert S. Phillips,
Walter W. Maranville,	Elbridge H. Wood,
Charles E. McDermott,	William W. Goodrich,
John O'Brien,	Albro L. Frost,
Chas. W. Pennington,	Henry A. Barrett,
Merrill J. Coates.	

## BOARD OF SCHOOL COMMISSIONERS.

## PRESIDENT.

EGBERT C. TUTTLE . . Residence, 2 Nickwackett Street.

## CLERK.

CHARLES W. MUSSEY . Residence, 51 Chestnut Avenue.

## COMMISSIONERS.

## Ward One.

GEORGE T. CHAFFEE . . . . . Term expires 1897  
Residence, 16 So. Main Street.

## Ward Two.

FRANKLIN D. WHITE . . . . . Term expires 1898.  
Residence, 33 So. Main Street.

## Ward Three.

CHARLES H. GRANGER . . . . . Term expires 1897.  
Residence, 23 Prospect Street.

## Ward Four.

EGBERT C. TUTTLE . . . . . Term expires 1898.  
Residence, 2 Nickwackett Street.

## Ward Five.

CHARLES A. GALE . . . . . Term expires 1899.  
Residence, 43 West Street.

## Ward Six.

HENRY A. HARMAN . . . . . Term expires 1898.  
Residence, 137 Grove Street.

## Ward Seven.

WALTER C. LANDON . . . . . Term expires 1899.  
Residence, 43 Grove Street.

## Ward Eight.

MICHAEL R. WELCH . . . . . Term expires 1897.  
Residence, 102 Forest Street.

## Ward Nine.

HENRY O. EDSON . . . . . Term expires 1898.  
Residence, 113 Church Street.

## Ward Ten.

JOHN HULIHAN . . . . . Term expires 1897.  
Residence, 447 West Street.

## Ward Eleven.

WILLIAM H. LAWRENCE . . . . . Term expires 1899.  
Residence, 117 Gibson Avenue.

## SUPERINTENDENT OF SCHOOLS.

ALFRED TURNER . . . . . Residence, 51 Roberts Avenue.

## TRUANT OFFICERS.

FRANK L. CLARK . . . . . Residence, 49 East Street.

JOHN W. BRISLIN . . . . . Residence, 104 South Street.

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WARD OFFICERS.

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Ward One.

Clerk, Willard W. Eggleston.

Inspectors, Wayne Bailey, William S. Smith, Levi F. Miner.

Ballot Clerks, J. E. Creed, T. E. Howley, F. M. Mellow,  
B. C. Grower.

## Ward Two.

Clerk, Horace C. Otis.

Inspectors, H. F. Grout, James M. Walsh, Charles D. Eastman.

Ballot Clerks, T. D. Shaw, F. W. Warren, M. Sweeney,  
W. L. Dyer.

## Ward Three.

Clerk, Earle D. Wickham,

Inspectors, Fred C. Atherton, Albert J. Hesselton, Filmore A. Pearsons.

Ballot Clerks, J. F. Cronan, Wm. Taylor, M. Hussey,  
Jos. Webster.

## Ward Four.

Clerk, Winthrop L. Davis,

Inspectors, Timothy Sweeney, C. M. Ready, A. R. Mairs

Ballot Clerks, Geo. W. Eaton, H. H. Lee, W. H. H. Fisher, Wm. M. Stearns.

## Ward Five.

Clerk, John R. Bates.

Inspectors, Charles M. Lyman, H. Clinton Carpenter, Jr.,  
Edgar B. Moore.

Ballot Clerks, W. M. Ross, Jas. Carruthers, John Pennington, Jos. Branchaud.

## Ward Six.

Clerk, Frank O. Dunton.

Inspectors, W. W. Smith, Raymond D. Beals, John Gilman.

Ballot Clerks, Louis Latrimore, H. C. Scoville, Austin Brothers, C. W. Pennington.

## Ward Seven.

Clerk, P. F. McManus.

Inspectors, Chas. E. Dowling, Walter C. Landon, Philip J. Crosby.

Ballot Clerks, E. R. Green, Jas. Sheridan, Henry Barrett, Wallace Ross.

## Ward Eight.

Clerk, John T. Boyle.

Inspectors, Martin J. Kennedy, Maglorie Ducharme, Geo. H. Martin.

Ballot Clerks, P. Foster, F. Cawley, A. P. Huffmire, Wm. Minett.

## Ward Nine.

Clerk, Henry O. Edson.

Inspectors, Benjamin F. Dunklee, Jewett P. Cain, W. Scott Lillie.

Ballot Clerks, J. G. Felt, J. M. Winn, Albert Matthews, W. W. Carey.

## Ward Ten.

Clerk, John P. Clifford.

Inspectors, Patrick A. Carroll, William R. Sharp, Terrence Larkin.

Ballot Clerks, J. D. W. Germond, H. C. Watkins, A. J. Courselle, Thos. Moroney.

## Ward Eleven.

Clerk, Wm. H. Lawrence.

Inspectors, Benj. F. Jones, J. Ormsby Hewitt, John J. Hickey.

Ballot Clerks, J. D. Dominy, F. B. Wilson, J. J. McNamara, Wm. Hickey.

## DETAILED STATEMENT

—BY THE—

## Committee on Finance.

## General Account, 1896.

No.		Amount.
3957	Sidney Smith, salary in part as engineer, and sundries furnished, January.....\$	25 57
3960	F. E. Matthes, salary in part as draughtsman, January.....	9 26
3962	M. E. Davis, salary in part as rodman, January.	5 00
3963	F. W. Warren, salary in part as rodman, January	3 00
3964	H. R. Grower, salary in part as rodman, January	9 00
3967	J. J. Bryant, salary as stenographer, January...	27 00
3985	E. H. Wood, work at Main Street park.....	50
3986	H. A. Sawyer & Co., office supplies.....	2 50
3990	Dr. W. M. Stearns, issuing permits.....	21 25
3999	New England Telephone & Telegraph Co., telephone service....	7 00
4002	P. J. Robinson, fees for keeping and assistance, City Court cases.....	10 74
4003	The Tuttle Company, supplies for engineer's and clerk's offices.....	15 15
4004	VanDoorn & Tilson, moulding, etc.....	7 21
4005	Geo. E. Pelton, blank books, letter heads, etc....	16 00
4006	S. E. Burnham, insurance on Hilliard house.....	10 00
4015	M. A. Bourne, coal for halls.....	114 65
4052	F. Chaffee's Sons, sewer pipe, tile, etc., for parks	36 51
4062	Sara F. Barnes, typewriting .....	4 65
4063	The Heliotype Printing Co., prints for city report.	50 25
4082	J. W. Cramton & Co., mop and brush .....	3 00
4085	H. A. Sawyer & Co., office supplies.....	1 65
4087	M. A. Bourne, coal for halls.....	81 53
4088	B. K. Houston, repairs on City Hall .....	166 00
4092	Sidney Smith, paid for sundries.....	25 99
4093	A. C. Grover, salary in part as transitman, Feb..	5 00

No.	Amount.
4094 W. W. Eggleston, paid for transit repairs.....	12 12
4096 L. W. Fuller, salary in part as draughtsman, February.....	7 00
4098 M. E. Davis, salary in part as rodman, February	6 25
4100 H. R. Grower, salary in part as rodman, February	1 00
4102 J. J. Bryant, salary in part as stenographer, Feb.	22 50
4125 Geo. E. Pelton, printing city report and check lists.....	532 49
4126 Estate of Geo. J. Wardwell, error in 1895 taxes..	66 47
4127 James Dailey, returning 33 burial permits.....	8 25
4128 Dr. G. H. Fox, returning 18 birth and death cer- tificates.....	4 50
4129 The Herald, publishing election warning.....	5 83
4165 H. B. Whittier, stamps, etc.....	6 40
4183 J. H. Holmes & Co., sheathing, City Hall.....	12 00
4184 J. W. Cramton & Co., stoves, etc., for election..	7 83
4191 H. B. Whittier, City Clerk, paid court and wit- ness fees.....	36 60
4192 Pay roll, annual city election.....	229 50
4193 M. Lovelett, placing and removing voting booths	30 18
4194 The Tuttle Co., placards for election.....	44 00
4195 Sunday Times, advertising election results.....	5 50
4196 H. B. Whittier, fees for registration returns.....	42 36
4197 H. A. Sawyer & Co., office supplies.....	7 90
4198 Barney Devine, returning 14 burial permits.....	3 50
4208 Pay roll, special election, ward 7.....	19 00
4211 Sidney Smith, paid for sundries.....	26 27
4218 M. E. Davis, salary in part as rodman, March...	7 50
4221 J. J. Bryant, salary in part as stenographer, March.....	24 00
4241 J. J. Bryant, salary in part as stenographer, April.....	4 00
4244 The Herald, publishing election results.....	7 78
4249 M. A. Bourne, coal for halls.....	56 62
4250 Burditt Bros., coal for halls.....	58 58
4251 A. C. Bates & Son, lime and staples.....	3 75
4258 New England Telephone & Telegraph Co., tele- phone service.....	7 00
4263 W. L. Davis, expenses delivering bonds, paid for stamps, etc.....	20 11
4264 J. W. Cramton & Co., work in free dispensary rooms.....	22 25
4265 G. E. Pelton, making license and registration books.....	50 25
4266 James Carruthers, printing ballots.....	65 25
4267 J. J. Fay, making record books and binding city reports.....	54 50
4268 C. E. Barker, teams to Mendon.....	13 00

No.	Amount.
4269 T. S. Gilson, teams to Mendon.....	3 75
4270 A. Arnold, 1 day's work at Mendon.....	1 75
4271 J. Worthen, 1 day's work at Mendon.....	3 00
4272 F. L. Clark, posting notices and delivering bal- lots.....	9 50
4273 H. B. Whittier, paid for stamps, etc.....	8 52
4274 Dr. O. J. Gilchrist, returning 8 birth certificates.	2 00
4275 H. A. Sawyer & Co., office supplies.....	62 60
4276 The Tuttle Co., office supplies.....	90
4314 Edward Langlois, canvassing for assessors.....	12 39
4315 T. F. King, canvassing for assessors.....	12 90
4317 C. B. Mann, canvassing for assessors.....	36 72
4318 M. G. McCormack, canvassing for assessors.....	8 82
4319 W. P. Jones, work at city hall.....	50
4320 W. L. Davis, paid for stamps, etc.....	9 52
4321 H. A. Sawyer & Co., envelopes, etc.....	24 39
4322 G. E. Pelton, printing blanks, etc.....	13 00
4323 W. L. Davis, City Treasurer, allowance on Todd's rent.....	26 02
4328 C. Turner, mortgage, interest, costs, etc., Hilliard property.....	286 20
4335 Dr. C. W. Strobell, returning 44 birth and death certificates.....	11 00
4337 W. C. Landon, grass seed.....	2 25
4338 H. A. Sawyer & Co., office supplies.....	11 81
4342 A. C. Grover, salary in part as transitman, April	11 90
4354 F. L. Vaughan, canvassing for assessors.....	6 15
4355 C. J. Sage, canvassing for assessors.....	5 91
4356 J. J. Hickey, canvassing for assessors.....	8 28
4357 Forbes Lithograph Mfg. Co., making bonds.....	35 00
4358 Geo. E. Chalmers, tracing cloth.....	15 76
4359 Barney Devine, returning 25 burial permits.....	6 25
4360 Frank Porter, 2 days cleaning parks.....	3 00
4390 W. L. Davis, expenses delivering bonds.....	14 52
4391 H. B. Whittier, paid for stamps, etc.....	9 34
4403 G. E. Pelton, printing blanks, etc.....	23 75
4405 H. B. Whittier, making returns to State Supt., paid for stamps, etc.....	24 10
4406 State tax.....	3,871 41
4407 State highway tax.....	4,214 26
4408 State school tax.....	4,214 26
4408 Watchman Publishing Co., printing on inventory blanks.....	5 00
4410 Frank Porter, 2½ days' cleaning parks.....	3 75
4411 Sidney Smith, repairs on typewriter.....	5 95
4412 Dr. W. M. Stearns, issuing permits.....	39 30

No.	Amount.
4421 Pay roll, general meeting.....	213 00
4439 Sidney Smith, paid for sundries.....	8 80
4448 James J. Fay, record books, etc.....	26 00
4449 Frank Porter, 5 days cleaning parks.....	7 50
4450 H. A. Sawyer & Co., office supplies.....	2 12
4451 The Herald, publishing assessors' notices.....	5 50
4452 James Dailey, returning 25 burial permits.....	6 25
4453 James Carruthers, printing ballots and signs.....	12 00
4454 C. E. Barker, team for com. on health.....	6 00
4455 R. Jenor, manure condemned by health officer...	10 00
4456 J. J. Barrett, paid for cleaning vault.....	1 50
4457 B. K. Houston, medicine cupboard for dispensary	15 37
4458 Bardwell House stable, teams for assessors.....	7 50
4461 Barney Devine, returning 24 burial permits.....	6 00
4505 J. W. Cramton & Co., gas burners, etc.....	16 26
4513 The Herald, publishing advertisements.....	3 95
4515 T. C. Elworth, keeping, assistance, etc., City Court cases.....	10 34
4516 J. O. Hewitt, keeping, assistance, etc., City Court cases.....	14 36
4517 E. M. Knox, keeping, assistance, etc., City Court cases.....	7 36
4518 J. Mecier, keeping, assistance, etc., City Court cases.....	6 50
4519 C. N. Chamberlain, keeping, assistance, etc., City Court cases.....	1 50
4520 Geo. H. Cleaveland, work on polling booths.....	19 03
4521 M. J. Francisco & Son, insurance.....	59 69
4522 Frank Porter, 2½ days work cleaning parks.....	3 75
4523 Louis Martel, work at memorial hall.....	8 13
4524 Miner & Thomas, supplies for health officer.....	5 87
4525 C. L. Howe, legal services to April 1, 1896.....	316 01
4526 The Tuttle Co., supplies for engineer's office.....	2 00
4527 Geo. E. Chalmers, supplies for engineer's office..	1 60
4541 Post Roberts G. A. R., Memorial Day appropriation.....	100 00
4547 Pay roll, election of school commissioners.....	66 25
4550 J. W. Cramton & Co., duster, mop and broom...	2 10
4553 H. A. Sawyer & Co., office supplies.....	3 60
4569 Sidney Smith, paid for sundries.....	2 30
4589 Burditt Bros., coal for halls.....	5 50
4591 Tracy & Moran, work at city hall.....	40 42
4592 D. & J. Betts, work at city hall.....	19 50
4593 The Herald, publishing warning.....	1 50
4594 Geo. E. Pelton, election placards ..	21 00
4595 James Carruthers, printing ballots.....	10 25
4596 G. H. Cleaveland, putting up election booths....	6 45

No	Amount.
4597 Rutland City Band, appropriation for concerts, June.....	100 00
4598 Chapman & Ross, making tax book.....	100 00
4599 Barney Devine, returning 7 burial permits.....	1 75
4600 R. Carrick, 2 days cleaning parks.....	3 00
4601 M. Dooley, 3 days cleaning park.....	4 50
4638 W. L. Davis, paid for stamps, etc.....	6 00
4639 H. B. Whittier, paid for stamps, etc.....	7 95
4645 J. Dougherty, paid for trimming park trees....	7 50
4658 Pay roll, 3 weeks ending July 18, Main Street park.....	80 70
4674 New England Telephone & Telegraph Co., use of telephones to Oct. 1.....	7 00
4675 F. L. Clark, serving health officers' notices.....	25 93
4676 J. J. Fay, making tax book.....	7 50
4677 Tracy & Moran, roofing and plumbing.....	85 41
4678 G. E. Pelton, printing for health dept.....	2 25
4679 County tax.....	421 43
4680 H. B. Whittier, indexing, etc.....	25 18
4681 Forbes Lithograph Mfg. Co., bonds.....	25 00
4682 Frank Porter, 2 days cleaning parks.....	3 00
4684 Pay roll, 2 weeks ending August 1, Main Street park.....	179 12
4692 Pierce & Billings, hose.....	24 75
4694 H. A. Sawyer & Co., office supplies.....	6 95
4706 Sidney Smith, salary in part as engineer, July, and paid for sundries.....	62 90
4708 W. W. Eggleston, salary in part as transitman..	1 87
4709 L. W. Fuller, salary in part as draughtsman. ...	6 00
4711 F. W. Warren, salary in part as rodman.....	1 20
4712 H. R. Grower, salary in part as rodman.....	10 00
4717 G. E. Pelton, making municipal registers, etc...	52 50
4718 Rutland City Band, appropriation for concerts, July.....	100 00
4719 The Tuttle Co., office supplies.....	3 95
4720 Moseley & Stoddard Mfg. Co., lumber, etc.....	1 12
4721 W. A. Clark, plate glass insurance.....	17 60
4722 G. E. Chalmers, work on polling booths, etc. ...	2 00
4752 T. B. Kelley, paid for sundries.....	1 05
4761 Pay roll, 2 weeks ending August 15, Main Street park.....	227 09
4765 H. A. Sawyer & Co., office supplies.....	1 00
4767 J. E. Creed, sand for Main Street park.....	1 80
4769 The Times Co., publishing advertisements.....	7 05
4780 F. Conniff, repairs on Hilliard place.....	26 37
4783 W. C. Landon, supplies for Main Street park....	6 00
4785 F. L. Clark, fees paid in Lynch case.....	41 68

No.		Amount.
4787	Julia Dennis, paid for cemetery lot.....	30 00
4792	H. A. Sawyer & Co., office supplies.....	3 22
4793	Moseley & Stoddard Mfg. Co., stakes for Main Street park.....	6 00
4809	Sidney Smith, salary in part as engineer, August, and paid for sundries.....	59 82
4818	The Herald, publishing advertisements.....	3 43
4820	M. J. Francisco & Son, insurance.....	129 42
4821	James Carruthers, printing ballots.....	40 00
4822	G. H. Cleaveland, placing and removing polling booths.....	19 30
4823	Geo. Johnson, 6 days cleaning parks.....	9 00
4824	James Dailey, returning 46 burial permits.....	11 50
4825	Barney Devine, returning 10 burial permits..	2 50
4826	C. E. Barker, team.....	5 00
4827	J. D. Taylor, repairs in city hall.....	2 25
4855	W. L. Davis, paid for sundries.....	8 00
4856	H. B. Whittier, paid for sundries.....	9 36
4864	Pay roll, 3 weeks ending Sept. 3, Main Street park.....	447 94
4865	Rutland City Band, concerts.....	200 00
4866	H. R. Grower, salary in part as rodman, August.	13 00
4870	Pay roll, freemen's meeting.....	223 00
4872	L. G. Kingsley, supplies.....	1 10
4873	J. W. Cramton & Co., supplies for library.....	2 10
4882	J. G. Spencer, making tax bills.....	28 81
4883	G. E. Pelton, printing check lists, etc.....	106 01
4884	R. M. Spaulding, manure for Main Street park..	16 80
4885	A. C. Bates & Son, nails, glass, etc.....	3 32
4886	Dr. W. M. Stearns, issuing 71 permits, to Sept. 1.	17 75
4887	L. Martell, work at library.....	8 27
4888	Geo. Johnson, 2 days cleaning Main Street park.	3 00
4902	W. C. Landon, cement, etc., for park.....	28 05
4908	H. A. Sawyer & Co., office supplies.....	55
4914	Sidney Smith, salary in part as engineer, Sept...	21 27
4921	Burditt Bros., meals for firemen.....	18 45
4929	J. W. Cramton & Co., supplies for library.....	1 75
4931	Dr. A. H. Bellerose, returning 71 certificates of births and deaths.....	17 75
4932	The Herald, publishing tax notices.....	11 66
4933	Geo. Johnson, 2½ days cleaning parks.....	3 75
4934	C. Buffum's est., dirt for park.....	70 25
4935	J. H. Monette, repairing tools, park.....	1 45
4976	W. L. Davis, City Treasurer, error in taxes.....	71 72
4979	L. W. Fuller, salary in part as draughtsman, Aug.	6 00
4980	E. S. Moore, salary in part as rodman, August..	4 75
4981	Mrs. N. A. Bailey, meals for firemen.....	21 00

No.		Amount.
4987	H. A. Sawyer & Co., office supplies.....	1 50
5000	Tax rebates, list of 1896.....	41 54
5001	Tax abatements, list of 1896.....	60 12
5002	Tax abatements, list of 1894.....	378 57
5003	Tax abatements, list of 1893.....	50 89
5004	F. L. Clark, serving notices, etc.....	36 10
5008	Pierce & Billings, supplies for city hall....	1 85
5010	H. A. Sawyer & Co., envelopes.....	7 97
5011	J. W. Cramton & Co., supplies for library.....	3 45
5016	Duffy & Clifford, coal for halls.....	58 50
5017	Moseley & Stoddard Mfg. Co., lumber, etc.....	12 74
5019	Sidney Smith, paid for sundries.....	3 70
5031	New England Telephone & Telegraph Co., use of telephone to Jan. 1, 1897.....	7 00
5037	The Berwick, lunches, Burditt fire.....	4 20
5038	Rutland City Band, appropriation for concerts, September.....	100 00
5039	The Herald, publishing election warning.....	2 25
5040	The Rutland Times, pub. election warning, etc..	14 99
5041	Barney Devine, returning 24 burial permits....	6 00
5042	J. W. Foss, assisting treasurer.....	46 00
5046	Bardwell House stable, teams.....	16 50
5083	H. B. Whittier, paid for stamps, etc.....	6 11
5085	Dr. W. M. Stearns, issuing 38 permits.....	9 50
5090	W. L. Davis, paid for stamps, etc.....	6 25
5091	W. L. Davis, Treasurer, paid school bond.....	1,000 00
5099	Pay roll, November election.....	223 25
5103	F. M. Mellow, sand for park.....	1 50
5109	G. E. Pelton, blanks, etc.....	18 25
5110	G. H. Cleaveland, work on election booths.....	19 75
5111	Dr. W. M. Stearns, expenses attending Sanitary Club meeting, etc., at Montpelier.....	10 00
5112	Dr. O. J. Gilchrist, returning 23 birth and death certificates.....	5 50
5121	W. W. Eggleston, work on parks, October.....	2 00
5132	H. A. Sawyer & Co., office supplies.....	7 60
5135	J. W. Cramton & Co., mop, brush, etc.....	1 80
5136	Sidney Smith, salary in part as engineer, Nov., and paid for sundries.....	35 45
5146	G. E. Pelton, blanks for City Clerk.....	3 75
5153	James Dailey, returning 32 burial permits.....	8 00
5154	Barney Devine, returning 10 burial permits.....	2 50
5155	Rev. N. Proulx, returning 32 burial permits....	8 00
5156	A. W. Edson, coal for polling places.....	2 00
5157	C. L. Howe, legal services in Lynch case.....	124 76
7158	Geo. Spaulding, sprinkling streets.....	20 00
5159	The Tuttle Co., placards for election.....	12 00

No.		Amount.
5160	The Herald, publishing advertisement.....	3 50
5161	A. Levins, work at Hilliard house .....	14 12
5162	Henry Prier, work at Hilliard house .....	1 50
5163	Alex. Charles, work at Hilliard house.....	1 13
5164	Bardwell House stable, team to visit polling places	3 00
5165	Duffy & Clifford, coal .. .. .	28 75
5178	Butler & Moloney, legal services, Bateman case	100 00
5204	H. B. Whittier, indexing and cash paid for stamps, etc .....	54 03
5213	W. L. Davis, City Treasurer, paid 2 school bonds	2,000 00
5226	John Welch, coal for city hall.....	28 75
5227	The Herald, publishing advertisements .....	2 65
5229	H. M. Prier, work at Hilliard place.....	75
5230	J. A. Merrill, City Judge, costs, criminal cases, city court.....	39 79
5231	T. C. Elworth, police officer, keeping and assistance, State cases.....	18 50
5232	E. M. Knox, police officer, keeping and assistance, State cases.....	21 75
5233	J. Mecier, police officer, keeping and assistance, State cases.....	9 00
5234	J. F. Smith, police officer, keeping and assistance, State cases.....	16 68
5235	J. P. Clifford, police officer, keeping and assistance, State cases .....	7 50
5236	B. M. Hughes, police officer, keeping and assistance, State cases.....	3 50
5243	L. W. Fuller, salary in part as draughtsman, Nov.	4 00
5244	E. S. Moore, salary in part as rodman, November	9 33
5245	Sidney Smith, expenses to Montpelier, legislature, and meeting of sanitary com.....	16 00
5351	M. A. Bourne, coal for halls.....	23 00
5256	J. Welch, coal for halls .....	28 75
5257	Coolidge Cycle Co., repairing typewriter ..	1 00
5259	Duffy & Clifford, coal .....	17 25
5265	Sidney Smith, salary in part as engineer, Dec....	120 45
5285	Tracy & Moran, repairs on city hall .....	61 59
5286	Barney Devine, returning 7 burial permits.....	1 75
5287	Geo. E. Chalmers, supplies for engineer's office..	40 03
5288	Geo. C. Thrall, expenses to Montpelier, legislature	5 75
5289	H. A. Sawyer, expenses to Montpelier, legislature	5 75
5290	H. A. Sawyer & Co., office supplies.....	2 13
5291	Geo. E. Pelton, stationery for clerk's office.....	6 50
5322	W. L. Davis, paid express and for stamps, etc...	10 65
5323	H. B. Whittier, paid for stamps, etc.....	4 50
5336	F. L. Clark, constable, fees, etc., Cadwallader taxes.....	5 77

No.		Amount.
5339	C. L. Howe, services preparing and presenting amendments to city charter....	77 78
		<u>\$24,401 76</u>

### Street Department Account, 1896.

No.		Amount.
3945	Pay roll, 2 weeks ending Jan. 18.....\$	21 42
3946	Pay roll, 2 weeks ending Feb. 1.....	33 20
3950	Lincoln Iron Works, castings, etc.....	4 90
3952	John McGuirk, repairing tools....	1 15
3953	Moseley & Stoddard Mfg. Co., lumber .....	17
3957	C. F. Willis, salary as Supt. Streets, January....	100 00
3958	Sidney Smith, salary in part as engineer, January	39 00
3959	W. W. Eggleston, salary in part as transitman, January. ....	62 60
3961	L. W. Fuller, salary in part as draughtsman, January.....	37 00
3962	M. E. Davis, salary in part as rodman, January..	8 75
3963	F. W. Warren, salary in part as rodman, Jan'y..	37 50
3964	H. R. Grower, salary in part as rodman, January	18 00
3965	C. E. Graves, salary in part as rodman, January..	1 00
3966	E. S. Moore, salary in part as rodman, January..	1 33
3972	T. S. Gilson, sand for walks.....	28 45
3973	D. Dougherty, balance due on curbing job.....	25 20
3974	Temple Bros., sand for filling.....	2 40
3975	C. L. Long, repairing tools.....	6 15
3976	Wm. A. Hall, 1 barrel indurine.....	6 00
3977	J. W. Brislin, hack for looking up roller .....	1 00
3979	J. E. Gibson, repairing tools.....	5 85
3985	E. H. Wood, repairing stone crusher.....	50
4051	Pay roll, 2 weeks ending Feb. 15.....	62 77
4052	F. Chaffee's Sons, brick, tile, nails, etc.....	119 01
4053	John Clemons, damage by stoppage of drain....	10 00
4054	W. D. Lane, roller.....	14 50
4055	T. S. Gilson, slabs.....	5 20
4058	Coolidge & Morse, repairs.....	5 90
4077	Pay roll, 2 weeks ending Feb. 29.....	36 36
4082	J. W. Cramton & Co., pipe .....	40
4083	Lincoln Iron Works, straps, bolts, etc.....	3 30
4089	Paige & Heath, lumber, etc., for stone crusher...	15 36
4091	C. F. Willis, salary in part as Supt. Streets, Feb'y	50 00

No.		Amount.
4092	Sidney Smith, salary in part as engineer, Feb'y..	30 00
4093	A. C. Grover, salary in part as transitman, Feb'y	5 00
4094	W. W. Eggleston, salary in part as transitman, February.....	57 55
4096	L. W. Fuller, salary in part as draughtsman, February.....	14 00
4097	E. S. Moore, salary in part as rodman, February,	9 34
4098	M. E. Davis, salary in part as rodman, February,	3 75
4101	F. W. Warren, salary in part as rodman, Feb'y..	19 50
4102	J. J. Bryant, salary in part as stenographer, Feb.	1 50
4178	Pay roll, 2 weeks ending March 14 .....	58 62
4179	H. L. Gleason, sand for walks.....	18 00
4180	Pierce & Billings, shovels, handles, etc.....	5 88
4182	H. F. Noyes, lumber and nails.....	14 87
4204	W. F. Wheeler, snow plow.....	65 00
4205	Pay roll, 3 weeks ending April 4.....	117 65
4210	C. F. Willis, salary as Supt. Streets, March.....	100 00
4211	Sidney Smith, salary in part as engineer, March	57 25
4213	W. W. Eggleston, salary in part as transitman, March.....	65 00
4215	L. W. Fuller, salary in part as draughtsman, March .....	5 00
4216	E. S. Moore, salary in part as rodman, March....	22 59
4217	F. W. Warren, salary in part as rodman, March.	36 00
4218	M. E. Davis, salary in part as rodman, March....	10 00
4219	C. E. Graves, salary in part as rodman, March....	14 00
4220	H. R. Grower, salary in part as rodman, March..	10 00
4221	J. J. Bryant, salary in part as stenographer, March	1 50
4236	L. W. Fuller, salary in part as draughtsman, April.....	6 00
4237	F. W. Warren, salary as rodman, April.....	13 50
4238	M. E. Davis, salary as rodman, April.....	11 25
4239	C. E. Graves, salary in part as rodman, April....	2 00
4240	H. R. Grower, salary in part as rodman, April...	3 00
4249	M. A. Bourne, coal.....	3 21
4312	Bardwell House stable, use of carriage .....	2 00
4316	Pay roll, 2 weeks ending April 18.....	231 26
4329	Pay roll, 2 weeks ending May 2.....	437 67
4333	J. McGuirk, blacksmithing.....	20
4334	H. F. Noyes, lumber and nails.....	6 25
4340	C. F. Willis, salary as Supt. Streets to May 5...	110 00
4341	Sidney Smith, salary in part as engineer, April..	76 80
4342	A. C. Grover, salary in part as transitman, April	10 00
4343	W. W. Eggleston, salary in part as transitman, April.....	55 00
4345	E. S. Moore, salary in part as rodman, April.....	16 67
4346	Pierce & Billings, shovels, rakes, etc.....	5 05

No.		Amount.
4348	Geo. A. Bucklin, lantern globes.....	50
4400	Pay roll, 2 weeks ending May 16 .....	545 33
4401	Hoag & Clauson, rubber boots.....	8 00
4402	Vermont Marble Co., waste marble.....	25 00
4418	Pay roll, 2 weeks ending May 30.....	894 58
4424	W. C. Landon, chain, axes, mattocks, etc.....	7 10
4425	H. F. Noyes, lumber, etc.....	15 74
4426	Combination Cash Store Co., oil .....	35
4427	Burditt Bros., coal.....	2 48
4428	M. A. Bourne, coal.....	15 15
4430	S. P. Curtis & Son, grass seed .....	1 60
4431	A. W. Emery, oil.....	72
4432	Moseley & Stoddard Mfg. Co., lumber and work.	20
4433	J. McGuirk, blacksmithing .....	1 45
4434	F. R. Patch Mfg. Co., derrick timbers, etc.....	73 66
4435	D. M. White Lumber Co., lumber, nails, etc.....	52 56
4436	Columbian Marble Co., 4 rollers.....	1 20
4437	J. McLaughlin, gravel.....	17 85
4438	J. A. Sheldon, salary in part as Supt. Streets, May	75 00
4439	Sidney Smith, salary in part as engineer, May...	55 00
4440	A. C. Grover, salary in part as transitman, May.	2 00
4441	W. W. Eggleston, salary in part as transitman, May.....	58 50
4443	E. S. Moore, salary in part as rodman, May.....	20 33
4504	Pay roll, 2 weeks ending June 13.....	982 51
4505	J. W. Cramton & Co., lead pipe and lantern globes.....	63
4506	W. P. Jones, removing gas post.....	50
4507	Vermont Marble Co., waste marble.....	53 00
4508	W. C. Landon, cement, rope, etc.....	5 08
4542	Pay roll, 2 weeks ending June 27 .....	1,630 48
4549	Samuel Terrill & Son, repairing tools, etc .....	19 90
4550	J. W. Cramton & Co., dynamite, etc.....	26 43
4551	M. A. Bourne, coal.....	7 52
4552	The Combination Cash Store Co.....	2 00
4553	H. A. Sawyer & Co., pails and twine.....	1 38
4555	A. C. Bates & Son, nails.....	2 00
4556	C. Hvass, 2 hand carts and equipments.....	100 00
4557	Fleming Mfg. Co., knives for road machine....	16 00
4559	F. R. Patch Mfg. Co., repairing.....	1 80
4560	Paige & Heath, repairing derrick... ..	13 68
4561	E. A. Valiquette, removing rail from River street bridge.....	2 00
4562	Bennington & Rutland R. R. Co., tools and sup- plies.....	2 15
4564	W. L. Ferguson, agent, freight bills.....	4 29

No.		Amount.
4565	E. E. Crawford, agent, freight bills.....	1 22
4568	J. A. Sheldon, salary in part as Supt. Streets, June .....	50 00
4569	Sidney Smith, salary in part as engineer, June..	21 00
4570	A. C. Grover, salary in part as transitman, June,	18 00
4571	W. W. Eggleston, salary in part as transitman, June... ..	15 00
4574	E. S. Moore, salary in part as rodman, June.....	3 78
4575	F. W. Warren, salary in part as rodman, June..	3 75
4577	E. F. Watkins, salary in part as rodman, June..	2 00
4647	Columbian Marble Co., waste marble.....	2 25
4648	E. D. Keyes & Co., kerosene oil.....	6 05
4649	Tracy & Moran, repairs.....	3 75
4650	M. Mullin, repairing tools.....	22 25
4651	A. C. Bates & Son, hose, tools, etc.....	46 45
4652	J. McGuirk, repairing tools.....	3 42
4653	D. M. White Lumber Co., lumber, etc.....	12 16
4654	J. F. Sweeney, rubber boots, etc.....	5 60
4658	Pay roll, 3 weeks ending July 18.....	1,396 38
4659	Edson Mfg. Co., diaphragm for pump.....	5 70
4660	Caleb Buffum's estate, 152 loads dirt.....	22 80
4661	W. C. Landon, tools, etc.....	30 71
4662	C. R. Holden, Jr., lumber.....	51 03
4671	R. M. Spaulding, slabs.....	4 00
4680	H. B. Whittier, paid express.....	2 25
4684	Pay roll, 2 weeks ending August 1....	1,166 25
4690	W. C. Landon, tools, etc.....	11 90
4692	Pierce & Billings, tools, etc.....	24 23
4694	H. A. Sawyer & Co., pails, time books.....	1 00
4695	D. M. White Lumber Co., lumber, nails, etc....	19 09
4696	L. F. Miner, repairing tools, etc.....	26 95
4697	Coolidge & Morse, repairing roller, etc.....	33 74
4698	M. A. Bourne, coal and wood .....	8 76
4705	J. A. Sheldon, salary in part as Supt. Streets, July .....	25 00
4706	Sidney Smith, salary in part as engineer, July...	11 65
4708	W. W. Eggleston, salary in part as transitman, July .....	9 38
4710	E. S. Moore, salary in part as rodman, July.....	5 59
4711	F. W. Warren, salary in part as rodman, July...	4 50
4761	Pay roll, 2 weeks ending August 15.....	1,121 32
4762	J. McGuirk, repairing tools .....	3 40
4763	F. R. Patch Mfg. Co., grinding axe.....	40
4765	H. A. Sawyer & Co., time book.....	25
4792	H. A. Sawyer & Co., lanterns, globes, etc .....	3 45
4793	Moseley & Stoddard Mfg. Co., stakes, lumber, etc.	8 50
4794	W. C. Landon, shovels, tackle block, rope, etc...	16 65

No.		Amount.
4796	The Combination Cash Store Co., stone.....	1 70
4797	E. D. Keyes & Co., kerosene oil.....	4 21
4798	D. B. Twigg, rubber coats .....	12 50
4803	A. M. McClure, rubber boots.....	5 50
4804	D. M. White Lumber Co., lumber, etc .....	8 12
4805	F. R. Patch Mfg. Co., pegs.....	3 00
4806	A. L. Davis, wood.....	3 06
4807	W. W. Sawyer, oil.....	30
4808	J. A. Sheldon, salary in part as Supt. Streets, Aug.	50 00
4864	Pay roll, 3 weeks ending Sept. 3....	782 76
4871	Pay roll, 2 weeks ending Sept. 19 ..	629 48
4872	L. G. Kingsley, paint for bridge and supplies....	151 35
4873	J. W. Cramton & Co., dynamite, lanterns, etc....	21 75
4874	Vermont Marble Co., marble ..	55 50
4875	Bates & Curtis, 64 loads filling.....	6 40
4876	Hoag & Clauson, rubber boots.....	8 50
4877	Chas. Hvass, $\frac{1}{2}$ doz. brooms.....	6 00
4894	Pay roll, two weeks ending Oct. 3.....	473 21
4899	G. H. & H. W. Cheney, oil and wicks.....	22
4902	W. C. Landon, rope, tools, grass seed....	4 34
4904	M. A. Bourne, coal.....	5 00
4907	S. Terrill & Son, repairing tools.....	3 25
4908	H. A. Sawyer & Co., twine....	12
4909	W. E. Ross, rubber boots.....	12 75
4910	J. McLaughlin, gravel.....	6 00
4911	A. C. Bates & Son, tools, etc.....	4 05
4912	J. H. Holmes & Co., repairing crusher .....	37 03
4913	J. A. Sheldon, salary in part as Supt. Streets, September.....	50 00
4914	Sidney Smith, salary in part as engineer, Sept....	18 75
4915	W. L. Ferguson, agent, freight bills.....	50
4978	W. W. Eggleston, salary in part as transitman, August.....	13 55
4979	L. W. Fuller, salary in part as draughtsman, August.....	9 00
4980	E. S. Moore, salary in part as rodman, August....	5 00
4982	Pay roll, 2 weeks ending Oct. 17.....	783 84
4984	R. Carrick, 40 days' work.....	60 00
4985	J. W. Cramton & Co., supplies.....	1 55
4987	H. A. Sawyer & Co., lanterns, time books, etc....	6 43
5008	Pierce & Billings, tools, etc.....	8 97
5009	E. D. Keyes & Co., kerosene oil.....	4 77
5010	H. A. Sawyer & Co., supplies .....	20
5011	J. W. Cramton & Co., dynamite, etc .....	67 84
5012	W. C. Landon, gravel and tools.....	68 06
5013	Burditt Bros., coal.....	64 78
5014	M. A. Bourne, coal.....	27 10

No.	Amount.
5016 Duffy & Clifford, wood.....	1 50
5017 Moseley & Stoddard Mfg. Co., lumber, etc.....	6 52
5018 J. A. Sheldon, salary in part as Supt. Streets, October.....	25 00
5019 Sidney Smith, salary in part as engineer, October	37 50
5020 E. S. Moore, salary in part as rodman, October..	10 00
5021 G. H. Verder, damages, etc.....	196 92
5023 W. W. Sawyer, kerosene oil.....	10
5024 J. McLaughlin, gravel.....	7 15
5025 Rev. T. J. Gaffney, gravel.....	23 60
5026 Steam Stone Cutter Co., hose and supplies.....	25 82
5027 J. E. Gibson, repairing tools.....	1 87
5028 J. McGuirk, repairing tools.....	2 65
5029 S. Terrill & Son, repairing cart, etc.....	31 45
5040 The Rutland Times, publishing notices.....	4 68
5093 A. C. Grover, salary in part as transitman, Sept.	3 00
5094 W. W. Eggleston, salary in part as transitman, September.....	13 00
5095 L. W. Fuller, salary in part as draughtsman, September.....	6 00
5096 E. S. Moore, salary in part as rodman, Sept.....	7 00
5097 Pay roll in part for 2 weeks ending Oct. 31.....	260 57
5098 Pay roll, 2 weeks ending Nov. 14.....	812 14
5100 Burditt Bros., coal.....	11 73
5101 D. M. White Lumber Co., lumber, nails, etc.....	58 14
5102 A. L. Davis, wood.....	4 87
5104 J. McGuirk, repairing tools.....	2 60
5105 J. H. Holmes & Co., grates, work on River street bridge.....	33 25
5120 W. W. Eggleston, salary in part as transitman, October.....	38 40
5121 L. W. Fuller, salary in part as transitman, Oct..	43 00
5122 Pay roll, 3 weeks ending Dec. 5.....	1,316 31
5128 J. McGuirk, repairing tools, etc.....	9 30
5130 W. C. Landon, gravel, etc.....	94 85
5131 Burditt Bros., coal.....	6 18
5132 H. A. Sawyer & Co., burners, wicks and globes..	1 50
5133 M. A. Bourne, coal.....	29 25
5134 J. W. Cramton & Co., waste.....	24
5135 J. A. Sheldon, salary in part as Supt. Streets, November.....	75 00
5136 Sidney Smith, salary in part as engineer, Nov...	65 30
5137 J. E. Creed, sand.....	41 06
5138 C. L. Long, repairing tools, etc.....	19 45
5139 L. A. Willard, plank for River street bridge....	196 82
5140 D. M. White Lumber Co., lumber, etc.....	12 18
5215 Pay roll, 2 weeks ending Dec. 19.....	155 25

No.	Amount.
5217 J. McLaughlin, 157 loads gravel.....	23 55
5218 F. M. Mellow, sand.....	39 00
5220 Coolidge Cycle Co., repairs.....	7 99
5228 The Times Publishing Co., publishing notice....	5 61
5241 A. C. Grover, salary in part as transitman, Nov..	3 50
5242 W. W. Eggleston, salary in part as transitman, November.....	58 50
5243 L. W. Fuller, salary in part as draughtsman, November.....	21 50
5244 E. S. Moore, salary in part as rodman, November	8 00
5246 Pay roll, 2 weeks ending Oct. 17.....	179 10
5247 Pay roll, in part, 2 weeks ending Oct. 31.....	791 84
5249 Pay roll, 2 weeks ending Jan. 2.....	93 50
5253 M. A. Bourne, coal.....	11 51
5254 L. G. Kingsley, tools, etc.....	2 00
5255 A. C. Bates & Son, supplies.....	3 95
5260 A. W. Edson, wood.....	50
5262 Moseley & Stoddard Mfg. Co., lumber, work, etc	1 51
5264 J. A. Sheldon, salary in part as Supt. Streets, December.....	75 00
5265 Sidney Smith, salary in part as engineer, Dec....	7 45
5266 Lincoln Iron Works, supplies.....	70
5267 F. R. Patch Mfg. Co., oil, basket and labor.....	2 80
5268 O. W. Bishop, slabs.....	2 00
5269 E. A. Morse, surveying land.....	3 50
5270 Steam Stone Cutter Co., forging picks.....	40
5271 W. C. Landon, tools, etc.....	3 60
5290 H. A. Sawyer & Co., pail.....	25
5317 H. F. Noyes, slabs.....	1 76
5330 T. S. Gilson, rent of lot for storage.....	10 00
5331 A. L. Adams, repairing cross walks.....	5 00
5337 N. S. Stearns, paid C. J. Converse, for damage received on streets.....	10 00
	<u>\$20,024 05</u>

## Sewer Department Account, 1896.

3946 Pay roll, 2 weeks ending Feb. 1.....	1 88
3950 Lincoln Iron Works, castings, etc.....	3 40
3953 Moseley & Stoddard Mfg. Co., lumber.....	54
3958 A. C. Grover, salary in part as transitman, Jan..	20 00
3959 W. W. Eggleston, salary in part as transitman, January.....	2 40

No.		Amount.
3965	C. E. Graves, salary in part as rodman, January,	19 00
3980	J. E. Post, sewer pipe.....	2 28
4051	Pay roll, 2 weeks ending Feb. 15.....	1 50
4052	F. Chaffee's Sons, sewer pipe, tile, etc.....	546 70
4055	T. S. Gilson, slabs.....	10 00
4077	Pay roll, 2 weeks ending Feb. 29.....	9 50
4092	Sidney Smith, salary in part as engineer, Feb....	3 00
4094	W. W. Eggleston, salary in part as transitman, February.....	6 75
4099	C. E. Graves, salary in part as rodman, February	5 00
4116	W. C. Landon, cement.....	11 50
4176-7	H. M. Bates, purchase of Crescent street sewer	400 00
4178	Pay roll, 2 weeks ending March 14.....	45 09
4181	Wm. Ryan, work on West street sewer.....	10 00
4205	Pay roll, 3 weeks ending April 4.....	33 35
4211	Sidney Smith, salary in part as engineer, March	3 00
4212	A. C. Grover, salary in part as transitman, March	9 00
4219	C. E. Graves, salary in part as rodman, March...	4 00
4239	C. E. Graves, salary in part as rodman, April....	3 00
4242	Laporte & Monette, sharpening tools.....	1 60
4243	J. F. Sweeney, repairing boots.....	30
4248	Moseley & Stoddard Mfg. Co., lumber and labor..	32
4316	Pay roll, 2 weeks ending April 18.....	14 18
4329	Pay roll, 2 weeks ending May 2.....	51 50
4334	H. F. Noyes, sewer pipe and cement.....	2 19
4347	J. F. Sweeney, repairs.....	40
4424	W. C. Landon, cement.....	2 50
4429	F. Chaffee's Sons, sewer pipe, etc....	12 96
4439	Sidney Smith, salary in part as engineer, May...	9 00
4440	A. C. Grover, salary in part as transitman, May.	9 00
4441	W. W. Eggleston, salary in part as transitman, May.....	1 30
4442	L. W. Fuller, salary in part as draughtsman, May.....	2 00
4443	E. S. Moore, salary in part as rodman, May.....	3 00
4508	W. C. Landon, cement.....	2 50
4512	H. F. Noyes, sewer pipe.....	1 77
4563	B. F. Pollard, rubber mittens.....	1 75
4566	J. McLaughlin, 39 loads gravel.....	5 85
4573	L. W. Fuller, salary in part as draughtsman, June.....	12 00
4576	H. R. Grower, salary in part as rodman, June...	2 50
4646	Lincoln Iron Works, sewer castings, etc.....	13 38
4652	J. McGuirk, repairing tools.....	4 70
4693	L. Valiquette, Jr., rubber boots.....	8 00
4706	Sidney Smith, salary in part as engineer.....	52 15
4708	W. W. Eggleston, salary in part as transitman..	31 25

No.		Amount.
4709	L. W. Fuller, salary in part as draughtsman....	16 00
4710	E. S. Moore, salary in part as rodman.....	17 75
4711	F. W. Warren, salary in part as rodman.....	21 30
4712	H. R. Grower, salary in part as rodman.....	5 00
4713	E. F. Watkins, salary in part as rodman.....	16 00
4714	G. F. Brown, inspecting pipe.....	1 00
4761	Pay roll, 2 weeks ending August 15.....	292 45
4766	W. W. Young, making sewer connections.....	3 50
4768	T. F. Mahar, taking up sewer pipe on Harrison avenue.....	92 61
4794	W. C. Landon, cement, etc.....	49 00
4795	M. Stearns, barrels.....	20
4802	J. McLaughlin, sand.....	8 10
4808	J. A. Sheldon, salary in part as Supt. Streets, Aug.	50 00
4809	Sidney Smith, salary in part as engineer, Aug...	35 00
4864	Pay roll, 3 weeks ending Sept. 3.....	17 25
4867	F. W. Warren, salary in part as rodman, Aug...	24 75
4868	E. F. Watkins, salary in part as rodman, Aug...	14 50
4869	G. F. Brown, sewer rods, making connections, etc.	120 19
4871	Pay roll, 2 weeks ending Sept. 19.....	78 25
4872	L. G. Kingsley, tools.....	3 85
4873	J. W. Cramton & Co., dynamite, etc.....	13 00
4874	Vermont Marble Co., marble.....	26 56
4878	A. P. Fuller, cutting catch basin tops.....	11 25
4879	H. F. Noyes, cement.....	11 40
4894	Pay roll, 2 weeks ending Oct. 3.....	285 25
4898	Moseley & Stoddard Mfg. Co., lumber, etc.....	7 01
4900	J. McGuirk, repairing tools, etc.....	24 70
4902	W. C. Landon, cement.....	28 00
4903	B. F. Pollard, rubber mittens.....	1 50
4905	Lincoln Iron Works, castings.....	15 85
4907	S. Terrill & Son, repairing.....	3 25
4910	J. McLaughlin, gravel.....	5 85
4913	J. A. Sheldon, salary in part as Supt. Streets, Sept.....	50 00
4914	Sidney Smith, salary in part as engineer, Sept...	39 12
4917	Geo. F. Brown, work on sewers.....	20 00
4918	Coolidge & Morse, 2 sewer hoes.....	7 50
4919	H. F. Noyes, sewer pipe.....	70
4920	VanDoorn & Tilson, enamel cloth.....	1 40
4979	L. W. Fuller, salary in part as draughtsman, August.....	11 00
4982	Pay roll, 2 weeks ending Oct. 17.....	498 20
4983	J. McGuirk, repairing tools.....	5 40
4988	F. Chaffee's Sons, sewer pipe, brick, etc....	67 22
5011	J. W. Cramton & Co., supplies.....	3 08
5012	W. C. Landon, cement, etc.....	103 45

No.		Amount.
5015	H. F. Noyes, cement, etc. ....	58 72
5017	Moseley & Stoddard Mfg. Co., lumber, etc. ....	3 45
5018	J. A. Sheldon, salary in part as Supt. Streets, Oct.	75 00
5019	Sidney Smith, salary in part as engineer, Oct. ....	75 00
5020	E. S. Moore, salary in part as rodman, October...	15 34
5024	James McLaughlin, gravel. ....	17 00
5093	A. C. Grover, salary in part as transitman, Sept..	20 00
5094	W. W. Eggleston, salary in part as transitman, September .....	46 80
5095	L. W. Fuller, salary in part as draughtsman, September.....	33 00
5096	E. S. Moore, salary in part as rodman, Sept. ....	22 00
5097	Pay roll, in part, 2 weeks ending Oct. 31. ....	438 44
5098	Pay roll, 2 weeks ending Nov. 14. ....	99 74
5103	F. M. Mellow, sand.....	55 50
5106	G. F. Brown, work on sewer.....	3 75
5107	W. S. Smith, rubber boots .....	4 50
5120	W. W. Eggleston, salary in part as transitman, October.....	14 60
5121	L. W. Fuller, salary in part as draughtsman, October .....	3 00
5122	Pay roll, 3 weeks ending Dec. 5.....	108 37
5127	The Combination Cash Store Co., cheese cloth...	48
5129	F. Pistol, repairing boots.....	35
5130	W. C. Landon, cement, etc.....	7 50
5135	J. A. Sheldon, salary in part as Supt. Streets, November .....	25 00
5136	Sidney Smith, salary in part as engineer, Nov....	32 10
5141	Clauson & Young, repairing rubber boots.....	3 30
5215	Pay roll, 2 weeks ending Dec. 19 .....	8 75
5219	H. F. Noyes, sewer pipe and cement .....	4 16
5221	Geo. F. Brown, work and supplies .....	3 64
5242	W. W. Eggleston, salary in part as transitman, December.....	6 50
5243	L. W. Fuller, salary in part as draughtsman, December.....	18 00
5244	E. S. Moore, salary in part as rodman, December	13 00
5246	Pay roll, 2 weeks ending Oct. 17.....	67 62
5247	Pay roll, in part, 2 weeks ending Oct. 31.....	235 97
5248	Columbian Marble Co., dirt.....	50 30
5249	Pay roll, 2 weeks ending Jan. 2, 1897.....	37 50
5264	J. A. Sheldon, salary in part as Supt. Streets, December.....	25 00
5265	Sidney Smith, salary in part as engineer, Dec....	22 65
5266	Lincoln Iron Works, man hole castings, etc.,...	45 91
		<u>\$5,206 32</u>

## Sewer Extension Account, 1896.

3945	Pay roll, 2 weeks ending Jan. 18 .....	\$ 124 53
3946	Pay roll, 2 weeks ending Feb. 1.....	19 50
3947	Pay roll, B. & G. contract .....	16 50
3950	Lincoln Iron Works, manhole castings, etc. ....	161 86
3953	Moseley & Stoddard Mfg. Co., lumber and labor..	7 26
3954	F. W. Gary, oil .....	72
3955	Combination Cash Store Co., cheese cloth .....	3 99
3957	Sidney Smith, salary in part as engineer, Jan'y..	88 00
3958	A. C. Grover, salary in part as transitman, Jan..	60 00
3960	F. E. Matthes, salary in part as draughtsman, Jan.	40 74
3961	L. W. Fuller, salary in part as draughtsman, Jan.	9 00
3962	M. E. Davis, salary in part as rodman, Jan.....	18 75
3965	C. E. Graves, salary in part as rodman, Jan.....	7 00
3966	Acct. E. S. Moore, salary in part as rodman, Jan.	32 00
3968	W. H. Field, 29 days as sewer inspector.....	58 00
3969	G. F. Brown, 29 days as sewer inspector.....	58 00
3970	W. E. Wood, 8½ days as sewer inspector....	17 00
3971	C. B. Mann, 6 days as sewer inspector. ....	12 00
3978	H. F. Noyes, cement, etc.....	10 80
3981	Acct. Caleb Kimball, salary as Supt. Sewer, and car fare.....	35 62
3982	A. A. Green, oil ..	1 80
3983	J. McLaughlin, 29 loads sand.....	5 80
3984	A. B. Edson, rent of lot for storing sewer pipe..	25 00
4051	Pay roll, 2 weeks ending Feb. 15 ..	26 18
4052	F. Chaffee's Sons, sewer pipe, brick, etc. ....	821 28
4055	T. S. Gilson, rent of lot for storing sewer pipe..	11 50
4056	B. F. Pollard, oil cloth suit.....	3 00
4057	G. C. Thrall, 4 loads manure.....	5 00
4058	Coolidge & Morse, sewer truck.....	7 00
4059	Lincoln Iron Works, manhole rings and covers..	38 34
4077	Pay roll, 2 weeks ending Feb. 29 .....	415 21
4081	F. L. Allen, on sewer contracts.....	4,598 45
4090	G. C. Thrall, railroad fares, telephone fees, etc...	2 15
4091	C. F. Willis, salary in part as Supt. Streets, Feb.	50 00
4092	Sidney Smith, salary in part as engineer, Feb. ....	103 65
4093	A. C. Grover, salary in part as transitman, Feb..	70 00
4095	F. E. Matthes, salary in part as draughtsman, Feb.	50 00
4096	L. W. Fuller, salary in part as draughtsman, Feb.	16 00
4097	E. S. Moore, salary in part as rodman, Feb.....	24 00
4098	M. E. Davis, salary in part as rodman, Feb.....	21 25
4099	C. E. Graves, salary in part as rodman, Feb.....	20 00
4100	H. R. Grower, salary in part as rodman, Feb....	24 00
4101	F. W. Warren, salary in part as rodman, Feb....	16 50

No.		Amount.
4102	J. J. Bryant, salary in part as stenographer, Feb.	1 00
4103	C. B. Mann, 21 days as sewer inspector. . . . .	42 00
4104	W. H. Field, 28 days as sewer inspector. . . . .	56 00
4105	G. F. Brown, 22 days as sewer inspector. . . . .	44 00
4106	Peter Neary, 1 7-10 days' work on sewer. . . . .	2 98
4107	E. Potter, 3 3-10 days' work on sewer. . . . .	6 60
4108	J. Hackett, 1 day's work on sewer . . . . .	1 75
4109	E. E. Pike, 4 days' work on sewer. . . . .	40 00
4110	J. M. Blanchard, 2 cords slabs. . . . .	5 00
4111	C. H. Pike, wood and slabs. . . . .	18 88
4112	H. O. Edson, lumber, nails, etc. . . . .	5 80
4113	A. W. Emery, oil. . . . .	3 36
4114	T. S. Gilson, wood and slabs. . . . .	15 75
4115	Moseley & Stoddard Mfg. Co., lumber and labor. . . . .	3 43
4116	W. C. Landon, cement. . . . .	48 50
4178	Pay roll, 2 weeks ending March 14. . . . .	89 76
4182	H. F. Noyes, cement, slabs, etc. . . . .	50 63
4183	J. H. Holmes & Co., heater and stack. . . . .	40 00
4184	J. W. Cramton & Co., pails, etc. . . . .	4 17
4185	M. Carrick, 1½ days as sewer inspector. . . . .	3 75
4186	Evelyn Pierpoint, 20 loads of gravel. . . . .	5 00
4187	James McLaughlin, 35 loads of gravel. . . . .	5 25
4188	F. V. Dunklee, 1½ cords wood. . . . .	6 00
4211	Sidney Smith, salary in part as engineer, March..	73 25
4212	A. C. Grover, salary in part as transitman, March	71 00
4214	F. E. Matthes, salary in part as draughtsman, March. . . . .	50 00
4215	L. W. Fuller, salary in part as draughtsman, March. . . . .	32 00
4216	E. S. Moore, salary in part as rodman, March. . . . .	10 74
4217	F. W. Warren, salary in part as rodman, March. . . . .	3 00
4218	M. E. Davis, salary in part as rodman, March. . . . .	15 00
4219	C. E. Graves, salary in part as rodman, March. . . . .	5 00
4220	H. R. Grower, salary in part as rodman, March..	14 00
4235	F. E. Matthes, salary in part as draughtsman, April. . . . .	21 15
4236	L. W. Fuller, salary in part as draughtsman, April	10 50
4239	C. E. Graves, salary in part as rodman, April. . . . .	4 00
4240	H. R. Grower, salary in part as rodman, April. . . . .	6 00
4241	J. J. Bryant, salary in part as stenographer, April	5 00
4244	The Herald, advertising proposals. . . . .	4 25
4245	The Financier Co., advertising proposals. . . . .	12 50
4246	Wm. B. Dana Co., advertising proposals. . . . .	13 50
4247	Investor Publishing Co., advertising proposals. . . . .	9 60
4316	Pay roll, 2 weeks ending April 18. . . . .	13 50
4329	Pay roll, 2 weeks ending May 2. . . . .	33 00
4341	Sidney Smith, salary in part as engineer, April. .	68 00

No.		Amount.
4342	A. C. Grover, salary in part as transitman, April	70 00
4343	W. W. Eggleston, salary in part as transitman, April. . . . .	10 00
4344	L. W. Fuller, salary in part as draughtsman, April	16 00
4345	E. S. Moore, salary in part as rodman, April. . . . .	16 67
4400	Pay roll, 2 weeks ending May 16 . . . . .	179 70
4418	Pay roll, 2 weeks ending May 30 . . . . .	54 91
4423	Lincoln Iron Works, catch basin cover and ring, . . . . .	9 66
4425	H. F. Noyes, cement, etc. . . . .	41 97
4429	F. Chaffee's Sons, sewer pipe, etc. . . . .	91 96
4438	J. A. Sheldon, salary in part as Supt. Streets, May	15 00
4439	Sidney Smith, salary in part as engineer, May. . . . .	84 00
4440	A. C. Grover, salary in part as transitman, May. . . . .	69 00
4441	W. W. Eggleston, salary in part as transitman, May. . . . .	5 20
4442	L. W. Fuller, salary in part as draughtsman, May	44 00
4443	E. S. Moore, salary in part as rodman, May. . . . .	8 00
4504	Pay roll, 2 weeks ending June 13 . . . . .	362 68
4509	The Engineering Record, publishing advs. . . . .	7 80
4510	Engineer News Pub. Co., publishing advts. . . . .	15 60
4511	Moseley & Stoddard Mfg. Co., lumber and labor. . . . .	7 21
4512	H. F. Noyes, sewer pipe, etc. . . . .	34 95
4513	The Herald, publishing advertisements. . . . .	12 00
4542	Pay roll, 2 weeks ending June 27. . . . .	436 50
4554	Moseley & Stoddard Mfg. Co., lumber and work. . . . .	8 37
4558	Vermont Marble Co., waste marble. . . . .	36 00
4567	The Engineering Record, publishing pipe advs. . . . .	9 00
4568	J. A. Sheldon, salary in part as Supt. Streets, June	50 00
4569	Sidney Smith, salary in part as engineer, June. . . . .	134 62
4570	A. C. Grover, salary in part as transitman, June. . . . .	62 00
4571	W. W. Eggleston, salary in part as transitman, June. . . . .	48 00
4573	L. W. Fuller, salary in part as draughtsman, June	40 00
4574	E. S. Moore, salary in part as rodman, June. . . . .	29 55
4575	F. W. Warren, salary in part as rodman, June. . . . .	32 25
4576	H. R. Grower, salary in part as rodman, June. . . . .	27 50
4577	E. F. Watkins, salary in part as rodman, June. . . . .	19 00
4639	H. B. Whittier, paid telegrams . . . . .	1 57
4646	Lincoln Iron Works, sewer castings. . . . .	88 40
4655	H. F. Noyes, sewer pipe, lumber, etc. . . . .	102 38
4658	Pay roll, 3 weeks ending July 18. . . . .	1,139 61
4661	W. C. Landon, cement, etc. . . . .	66 95
4663	Frank Pistol, repairing boots. . . . .	3 30
4664	Warren Foundry and Machine Co., iron pipe . . . . .	65 04
4665	Builders' Iron Foundry, iron pipe, etc. . . . .	17 30
4666	W. L. Ferguson, agent, freight on pipe. . . . .	12 97
4667	E. E. Crawford, agent, freight on pipe. . . . .	60

No.	Amount.
4668 Vermont Marble Co., waste marble.....	13 20
4669 D. S. Warner, work and trowels.....	1 10
4670 H. F. Noyes, sewer pipe, cement, etc.....	114 22
4672 Lincoln Iron Works, catch basin castings .....	39 32
4684 Pay roll, 2 weeks ending Aug. 1.....	1,030 60
4689 Lincoln Iron Works, sewer castings, etc.....	118 26
4690 W. C. Landon, cement, etc.....	68 27
4691 J. McGuirk, sharpening tools.....	10 25
4695 D. M. White Lumber Co., lumber, nails, etc.....	33 98
4699 J. McLaughlin, sand.....	90
4700 Vermont Marble Co., waste marble.....	53 63
4701 H. F. Noyes, sewer pipe, cement, etc .....	127 57
4702 W. L. Ferguson, agent, freight bills.....	177 05
4703 E. E. Crawford, agent, freight bills.....	10 00
4704 Columbian Marble Co., waste marble.....	3 00
4705 J. A. Sheldon, salary in part as Supt. Streets, July	75 00
4706 Sidney Smith, salary in part as engineer, July...	10 00
4707 A. C. Grover, salary in part as transitman, July.	80 00
4708 W. W. Eggleston, salary in part as transitman, July.....	8 75
4709 L. W. Fuller, salary in part as draughtsman, July	15 00
4710 E. S. Moore, salary in part as rodman, July.....	3 75
4711 F. W. Warren, salary in part as rodman, July...	5 25
4712 H. R. Grower, salary in part as rodman, July...	15 00
4713 E. F. Watkins, salary in part as rodman, July...	3 00
4714 G. F. Brown, inspecting pipe.....	3 00
4760 The H. Wales Lines Co., sewer pipe .....	141 17
4761 Pay roll, 2 weeks ending Aug. 15.....	448 69
4764 Burditt Bros., sacking.....	2 10
4767 J. E. Creed, work and supplies.....	7 22
4769 The Times Co., publishing advertisements.....	6 75
4770 A. W. Emery, kerosene oil.....	1 88
4771 Lincoln Iron Works, iron.....	1 71
4772 W. L. Ferguson, agent, freight on pipe.....	56 61
4773 H. F. Noyes, cement, etc .....	14 90
4774 A. P. Fuller & Co., cutting catch basin tops.....	48 75
4793 Moseley & Stoddard Mfg. Co., stakes, etc .....	8 77
4799 E. E. Crawford, agent, freight bills.....	18 00
4890 W. L. Ferguson, agent, freight bills.....	173 59
4801 W. L. Ferguson, agent, freight bills.....	270 81
4804 D. M. White Lumber Co., lumber, etc.....	30 68
4809 Sidney Smith, salary in part as engineer, August	12 00
4864 Pay roll, 3 weeks ending Sept. 3.....	423 75
4871 Pay roll, 2 weeks ending Sept. 19 .....	222 38
4880 E. E. Crawford, agent, freight bills .....	6 00
4894 Pay roll, 2 weeks ending Oct. 3.....	18 00
4906 E. E. Crawford, agent, freight and demurrage...	10 00

No	Amount.
4915 W. L. Ferguson, agent, freight bills.....	186 66
4916 J. E. Post, rent of lot for storing pipe, July 20, 1896, to July 20, 1897.....	50 00
4917 Geo. F. Brown, inspecting and handling pipe...	10 00
4977 A. C. Grover, salary in part as transitman, Aug.	77 00
4978 W. W. Eggleston, salary in part as transitman, August .....	46 05
4980 E. S. Moore, salary in part as rodman, August...	23 50
4988 F. Chaffee's Sons, sewer pipe, brick, etc.....	261 66
5093 A. C. Grover, salary in part as transitman, Sept..	25 00
5241 A. C. Grover, salary in part as transitman, Nov..	3 50
5265 Sidney Smith, salary in part as engineer, Dec...	11 00
5241 F. L. Allen, balance due on contract.....	1,269 57
	<u>\$17,606 08</u>

### Water Department Account, 1896.

No.	Amount.
3945 Street pay roll, 2 weeks ending Jan. 18.....\$	9 25
3950 Lincoln Iron Works, supplies .....	61
3951 Pay roll, January.....	333 15
3957 Sidney Smith, salary in part as engineer, Jan....	2 00
3961 L. W. Fuller, salary in part as draughtsman, Jan.	8 00
3978 H. F. Noyes, lumber.....	1 49
3986 H. A. Sawyer & Co., supplies for office .....	40
3989 W. C. Landon, pulleys.....	1 88
4007 J. M. Davis, salary as Superintendent, January..	100 00
4008 J. D. Ellsworth, rent of store, January.....	25 00
4009 James Johnston, trucking, January...	7 50
4010 J. E. Creed, drawing boughs.....	1 75
4011 Carey Safe Co., safe for office.....	70 73
4012 E. B. Aldrich, agent, freight on safe.....	4 62
4013 Albert N. Wood, 1 cord slabs .....	2 50
4014 Walworth Mfg. Co., block tin pipe.....	7 75
4015 M. A. Bourne, coal... ..	18 40
4049 W. L. Davis, City Treasurer, interest on bonds...	912 50
4051 Street pay roll, 2 weeks ending Feb. 15.....	1 50
4080 Pay roll, February .....	214 45
4082 J. W. Cramton & Co., pipe, gasoline, etc.....	3 04
4083 Lincoln Iron Works, furnace, pipe and supplies..	5 00
4084 Levi G. Kingsley, glass.....	25
4087 M. A. Bourne, coal.....	11 93
4092 Sidney Smith, salary in part as engineer, Feb....	3 95

No.	Amount.
4094 W. W. Eggleston, salary in part as transitman, February.....	70
4096 L. W. Fuller, salary in part as draughtsman, Feb.	8 00
4130 J. M. Davis, salary as Superintendent, February.	100 00
4131 J. D. Ellsworth, rent of store, February.....	25 00
4132 J. H. Holmes & Co., stack, sand pump, etc....	33 27
4133 A. White, work.....	1 75
4180 Pierce & Billings, shovels and handles.....	2 35
4182 H. F. Noyes, slabs.....	3 50
4209 Pay roll, March.....	245 45
4211 Sidney Smith, salary in part as engineer, March	4 00
4215 L. W. Fuller, salary in part as draughtsman, March.....	4 00
4222 J. M. Davis, salary as Superintendent, March....	100 00
4223 J. D. Ellsworth, rent of store, March.....	25 00
4249 M. A. Bourne, coal.....	11 50
4277 James Johnston, trucking, March.....	4 50
4278 People's Gas Light Co., lights.....	60
4279 James McLaughlin, 3 loads gravel.....	60
4280 Lincoln Iron Works, supplies.....	4 67
4281 E. D. Keyes & Co., kerosene oil.....	5 83
4324 W. L. Davis, City Treasurer, interest on bonds..	2,400 00
4332 Pay roll, April.....	200 80
4334 H. F. Noyes, slabs.....	15 50
4337 W. C. Landon, hair.....	4 20
4361 J. M. Davis, salary as Superintendent, April.....	100 00
4362 J. D. Ellsworth, rent of store, April.....	25 00
4363 Lincoln Iron Works, galvanized iron pipe.....	19 39
4403 G. E. Pelton, blanks for inspectors.....	6 50
4413 E. E. Crawford, agent, freight on castings.....	66
4414 Lincoln Iron Works, galvanized iron pipe.....	70 50
4415 Pay roll, error.....	95 00
4416 James Johnston, trucking in April.....	2 00
4422 Pay roll, May.....	359 50
4423 Lincoln Iron Works, pipe, etc.....	4 58
4424 W. C. Landon, barrow, valve, hair, etc.....	8 81
4439 Sidney Smith, salary in part as engineer, May....	2 00
4433 E. S. Moore, salary in part as rodman, May....	2 00
4448 J. J. Fay, making record book.....	13 50
4462 J. M. Davis, salary as Superintendent, May.....	100 00
4463 J. D. Ellsworth, rent of store, May.....	25 00
4464 R. D. Wood & Co., valves.....	30 00
4465 J. J. Hickey, 15 days as inspector.....	30 00
4466 P. A. Clifford, 16½ days as inspector.....	33 00
4467 T. F. King, 15 days as inspector.....	30 00
4468 W. L. Ferguson, agent, freight bills.....	35
4469 James Johnston, trucking, May.....	4 25

No.	Amount.
4470 Walworth Mfg. Co., cocks, nipples, etc.....	103 28
4528 M. G. McCormack, 20 days as inspector.....	40 00
4545 W. L. Davis, City Treasurer, interest on bonds..	912 50
4546 Pay roll, June.....	396 25
4548 Water tax rebates.....	4 50
4549 Samuel Terrill & Son, repairing.....	9 60
4550 J. W. Cramton & Co., lead pipe, etc.....	37 60
4553 H. A. Sawyer & Co., blank books.....	45
4564 W. L. Ferguson, agent, freight bills....	11 54
4569 Sidney Smith, salary in part as engineer, June...	2 00
4571 W. W. Eggleston, salary in part as transitman, June.....	2 00
4575 F. W. Warren, salary in part as rodman, June..	75
4577 E. F. Watkins, salary in part as rodman, June..	1 00
4593 The Herald, publishing water tax advertisement	8 00
4602 J. M. Davis, salary as Superintendent, June....	100 00
4603 J. D. Ellsworth, rent of store, June.....	25 00
4604 James Johnston, trucking, June.....	14 75
4605 W. H. Lillie, repairing tools.....	19 28
4606 L. Valiquette, Jr., rubber boots.....	14 00
4607 J. G. Spencer, making water tax bills.....	15 00
4608 Lincoln Iron Works, supplies.....	3 97
4609 M. G. McCormack, posting water tax notices....	2 00
4610 Warren Foundry and Machine Co., iron pipe....	510 33
4611 Illinois Malleable Iron Co., service boxes.....	51 19
4612 Builders' Iron Foundry, reducers, bands, etc....	90 00
4613 Rensselaer Mfg. Co., valves.....	138 00
4614 W. C. Landon, oil.....	1 00
4667 E. E. Crawford, agent, freight bills.....	3 65
4671 R. M. Spaulding, slabs.....	4 00
4672 Lincoln Iron Works, bolts, repairs, etc....	8 75
4678 G. E. Pelton, making tax bills, etc.....	17 75
4687 Pay roll, July.....	637 90
4688 Water rent rebates.....	35 00
4689 Lincoln Iron Works, supplies.....	8 41
4690 W. C. Landon, tapes, bars, etc.....	9 47
4693 L. Valiquette, Jr., rubber boots.....	8 00
4706 Sidney Smith, salary in part as engineer, July...	19 00
4708 W. W. Eggleston, salary in part as transitman, July.....	13 75
4709 L. W. Fuller, salary in part as draughtsman, July	8 00
4710 E. S. Moore, salary in part as rodman, July.....	6 25
4711 F. W. Warren, salary in part as rodman, July...	6 75
4712 H. R. Grower, salary in part as rodman, July....	2 50
4718 E. F. Watkins, salary in part as rodman, July...	7 00
4717 G. E. Pelton, making notification blanks.....	3 00
4723 J. M. Davis, salary as Superintendent, July.....	100 00

No.	Amount.
4724 J. D. Ellsworth, rent of store, July.....	25 00
4725 A. N. Wood, work at haying.....	22 50
4726 J. Johnston, trucking, July.....	8 50
4727 W. H. Lillie, sharpening tools.....	19 48
4728 J. W. Cramton & Co., supplies.....	6 24
4769 The Times Co., publishing advertisements.....	4 50
4781 H. G. Allen, premises in Rutland.....	112 50
4782 H. T. Davis, premises in Mendon.....	400 00
4790 Pay roll, August.....	472 75
4791 Water rent rebates.....	11 00
4794 W. C. Landon, hair and axe.....	1 71
4799 E. E. Crawford, agent, freight bill.....	35
4809 Sidney Smith, salary in part as engineer, August	47 94
4818 The Herald, publishing advertisements.....	5 38
4819 J. W. Cramton & Co., tin and gaskets.....	2 40
4828 J. M. Davis, salary as Superintendent, August...	100 00
4829 J. D. Ellsworth, rent of store, August.....	25 00
4830 James Johnston, trucking, August.....	6 50
4831 W. H. Lillie, repairing tools.....	2 51
4832 T. F. King, services as inspector, etc.....	8 00
4833 Walworth Mfg. Co., nipples.....	4 88
4834 F. L. Clark, paid fees in Ripley case.....	34 12
4835 The Engineering News Pub. Co., publishing pro- posals.....	10 00
4856 H. B. Whittier, paid for recording deeds.....	1 00
4866 H. R. Grower, salary in part as rodman, August.	3 25
4897 Pay roll, September.....	1,015 00
4902 W. C. Landon, hammers, bars, etc.....	5 16
4905 Lincoln Iron Works, supplies.....	11 87
4907 S. Terrill & Son, repairing, etc.....	13 55
4914 Sidney Smith, salary in part as engineer, Sept...	76 36
4929 J. W. Cramton & Co., dynamite, etc.....	28 25
4936 J. M. Davis, salary as Superintendent, Sept.....	100 00
4937 J. D. Ellsworth, rent of store, Sept.....	25 00
4938 James Johnston, trucking, Sept.....	4 50
4939 W. H. Lillie, repairing tools.....	84
4940 R. M. Spaulding, work with team.....	33 25
4941 J. E. Creed, work with team.....	3 50
4942 Willis, Young & Creed, due on contract.....	285 85
4977 A. C. Grover, salary in part as transitman, Aug.	3 00
4978 W. W. Eggleston, salary in part as transitman, Aug.....	5 40
4979 L. W. Fuller, salary in part as draughtsman, Aug.	18 00
4986 E. E. Crawford, agent, freight bills.....	82
5007 Pay roll, October.....	930 29
5011 J. W. Cramton & Co., lead pipe, etc.....	87 03
5012 W. C. Landon, gravel, etc.....	35 59

No.	Amount.
5015 H. F. Noyes, lumber and nails.....	7 84
5016 Duffy & Clifford, wood.....	5 00
5019 Sidney Smith, salary in part as engineer, October	39 50
5020 E. S. Moore, salary in part as rodman, October..	8 00
5043 J. M. Davis, salary as Superintendent, October..	100 00
5044 J. D. Ellsworth, rent of store, October.....	25 00
5045 James Johnston, trucking, October ..	10 25
5046 Bardwell House stable, teams.....	27 00
5047 W. H. Lillie, repairing tools.....	6 22
5048 E. E. Crawford, agent, freight bills.....	45
5049 Walworth Mfg. Co., pump, cocks and nipples...	158 40
5050 Rensselaer Mfg. Co., valve.....	7 30
5051 Lincoln Iron Works, supplies.....	4 58
5052 R. M. Spaulding, work with team.....	12 25
5053 Willis, Young & Creed, due on contract.....	1,309 68
5093 A. C. Grover, salary in part as transitman, Sept.	19 69
5094 W. W. Eggleston, salary in part as transitman, September.....	5 20
5095 L. W. Fuller, salary in part as draughtsman, Sept.	13 00
5096 E. S. Moore, salary in part as rodman, Sept.....	4 33
5113 Illinois Malleable Iron Co., boxes.....	77 24
5114 E. E. Crawford, agent, freight on boxes.....	11 30
5119 A. C. Grover, salary as transitman, October....	80 00
5120 W. W. Eggleston, salary in part as transitman, October.....	12 00
5121 L. W. Fuller, salary in part as draughtsman, Oct.	6 00
5125 Pay roll, November.....	395 50
5126 Water rent rebates.....	6 75
5130 W. C. Landon, nails, leather, etc.....	75
5132 H. A. Sawyer & Co., paper, etc.....	80
5134 J. W. Cramton & Co., gasoline.....	1 00
5136 Sidney Smith, salary in part as engineer, Nov...	26 80
5152 People's Gas Light Co., gas bill, October.....	30
5164 Bardwell House stable, teams.....	6 00
5165 Duffy & Clifford, coal.....	28 50
5166 J. M. Davis, salary as Superintendent, November	100 00
5167 J. D. Ellsworth, rent of store, November.....	25 00
5168 James Johnston, trucking, November.....	4 25
5169 E. A. Davis, damage to house by blasting.....	2 06
5170 R. M. Spaulding, work with team.....	3 50
5171 T. F. King, 2½ days as inspector.....	5 00
5172 J. W. Foss, 9 days as inspector.....	18 00
5173 M. G. McCormack, 2½ days as inspector.....	5 00
5175 Willis, Young & Creed, due on contract.....	1,076 37
5176 Rensselaer Mfg. Co., valves.....	14 60
5177 Lincoln Iron Works, supplies.....	2 56

No.		Amount.
5178	Butler & Moloney, legal services in Ripley and Gilson & Woodfin cases.....	75 00
5183	Inman Bros. Construction Co., on contract and material account .....	670 47
5237	E. E. Crawford, agent, freight on pipe.....	28 80
5241	A. C. Grover, salary in part as transitman, Nov.	73 00
5241	L. W. Fuller, salary in part as draughtsman, Nov.	3 00
5244	E. S. Moore, salary in part as rodman, November	3 00
5251	Pay roll, December.....	296 50
5252	Water rent rebate.....	1 50
5257	Coolidge Cycle Co., repairs.....	1 00
5263	Estate of Geo. Richardson, team.....	4 00
5265	Sidney Smith, salary in part as engineer, Dec...	5 50
5292	J. M. Davis, salary as Supt., Dec .....	100 00
5293	J. D. Ellsworth, rent of store, Dec .....	25 00
5294	James Johnston, trucking, Dec.....	1 25
5295	Ludlow Valve Mfg. Co., 2 hydrants.....	59 76
5296	R. M. Spaulding, work with team.....	3 50
5297	E. D. Keyes & Co., kerosene oil... ..	4 07
5322	W. L. Davis, paid express .....	1 65
5332	Chas. Millar & Son, iron pipe .....	198 74
5338	A. C. Grover, expenses while inspecting retaining wall.....	12 00
		<u>\$18,593 18</u>

## Department of Charities and Corrections, 1896.

No.		Amount.
3952	John McGuirk, shoeing horses .....	\$ 2 05
3954	F. W. Gary, supplies for poor .. ..	6 00
3955	Combination Cash Store Co., supplies for poor...	194 30
3985	E. H. Wood, supplies for poor.....	2 90
3987	E. D. Keyes, supplies for city farm.....	70 62
3988	Burditt Bros., supplies for city farm.....	21 78
4015	M. A. Bourne, coal.....	28 50
4016	G. H. & H. W. Cheney, supplies for poor .....	56 50
4017	Duffy & Clifford, supplies for poor.....	81 50
4018	M. Stearns, supplies for poor.....	58 56
4019	Bucklin & Fuller, supplies for poor.....	5 00
4020	H. O. Edson, supplies for poor.....	7 50
4021	Murdick & Parkhurst, supplies for poor.....	6 00
4022	Hathorn & Prouty, supplies for poor .....	36 32

No.		Amount.
4023	W. S. Smith, supplies for poor.....	9 45
4024	J. S. Grandey, supplies for poor.....	8 00
4025	P. F. McManus, supplies for poor.....	10 00
4026	B. Billings & Son, supplies for poor... ..	15 00
4027	L. Valiquette, Jr., supplies for poor .....	19 00
4028	A. W. Edson, supplies for poor.....	3 00
4029	W. C. Jenne, supplies for poor... ..	7 70
4030	Mary A. Currier, taking care of poor.....	31 50
4031	Tinnie L. Dutton, taking care of poor.....	25 00
4032	Mary A. Lorette, taking care of poor.....	9 00
4033	D. B. Twigg, supplies for poor.....	28 25
4034	J. E. Creed, supplies for city farm.....	24 00
4035	C. E. Barker, supplies for city farm.....	5 25
4036	James Beattie, salary as overseer, January, and paid for sundries.....	72 78
4037	Minnie Londerville, work at city farm, January.	13 29
4064	James Beattie, cash paid for sundries.....	13 43
4065	F. P. Robinson, supplies for poor.....	9 00
4066	Coates & Sawyer, supplies for poor.....	7 90
4067	V. J. Poulin, supplies for poor... ..	6 00
4068	Bucklin & Fuller, supplies for poor.....	6 00
4069	James Rooney, supplies for city farm.....	14 00
4070	C. Guertin, opening and closing grave.....	3 00
4071	Tinnie L. Dutton, taking care of poor.....	10 00
4082	J. W. Cramton & Co., supplies for poor and city farm .....	47 93
4083	Lincoln Iron Works, supplies for city farm.....	5 68
4084	L. G. Kingsley, burial supplies.....	28 00
4085	H. A. Sawyer & Co., supplies for city farm.....	2 50
4086	Burditt Bros., feed for city farm.....	19 20
4087	M. A. Bourne, coal for poor and city farm.....	98 35
4088	B. K. Houston, repairs at city farm.....	257 00
4125	Geo. E. Pelton, requisition books.....	15 00
4134	Combination Cash Store Co., supplies for poor and city farm.....	182 34
4135	G. H. & H. W. Cheney, supplies for poor... ..	82 25
4136	Duffy & Clifford, supplies for poor.....	72 00
4137	L. Valiquette, Jr., supplies for poor.....	27 75
4138	Hathorn & Prouty, supplies for poor.....	7 00
4139	M. Stearns, supplies for poor.....	75 00
4140	J. S. Grandey, supplies for poor .....	10 00
4141	F. W. Gary, supplies for poor.....	6 00
4142	John Welch, supplies for poor .....	3 00
4143	Murdick & Parkhurst, supplies for poor.....	10 12
4144	P. F. McManus, supplies for poor.....	10 00
4145	J. A. Donahue & Co., supplies for poor.....	10 00
4146	A. W. Edson, supplies for poor.....	4 00

No.		Amount.
4147	S. P. Curtis & Son, supplies for poor.....	3 50
4148	E. J. Thomas & Co., supplies for poor.....	16 00
4149	B. Billings & Son, supplies for poor.....	9 00
4150	M. S. Denio, supplies for city farm.....	22 76
4151	M. S. Denio, supplies for city farm....	16 12
4152	J. Magen, supplies for city farm.....	3 61
4153	C. L. Long, supplies for city farm.....	3 00
4154	The Davis Retail Grain Store, supplies for city farm.....	10 00
4155	C. Sterns & Co., supplies for city farm.....	18 53
4156	H. L. Hoag, supplies for city farm.....	13 84
4157	J. McGuirk, supplies for city farm.....	1 50
4158	Rutland Probate Court, inquisitions and orders..	16 50
4159	Mamie A. Lorette, taking care of poor.....	6 00
4160	C. W. Cooke, carrying water.....	2 25
4161	Dr. C. W. Strobell, salary as City Physician, January and February.....	45 82
4162	James Beattie, salary as overseer, February, and paid for sundries.....	55 15
4163	Minnie Londerville, work at city farm, February	12 43
4224	James Beattie, salary as overseer, March, and paid for sundries.....	71 62
4225	Dr. C. W. Strobell, salary as City Physician, March.....	22 91
4226	Minnie Londerville, work at city farm, March...	13 29
4227	Mamie A. Lorette, taking care of poor, March...	6 00
4244	The Herald, subscription.....	6 00
4249	M. A. Bourne, coal for poor.....	36 50
4250	Burditt Bros., coal and feed, city farm.....	25 47
4252	C. E. Channel, grate for furnace, city farm.....	5 53
4281	E. D. Keyes & Co., supplies for city farm.....	108 32
4282	Combination Cash Store Co., supplies for poor and city farm.....	186 85
4283	G. H. & H. W. Cheney, supplies for poor.....	84 10
4284	Duffy & Clifford, supplies for poor.....	95 50
4285	M. Stearns, supplies for poor.....	88 70
4286	John Welch, supplies for poor.....	9 00
4287	F. W. Gary, supplies for poor.....	6 00
4288	Hathorn & Prouty, supplies for poor.....	5 00
4289	J. S. Grandey, supplies for poor.....	10 00
4290	A. W. Edson, supplies for poor.....	3 00
4291	P. McManus, supplies for poor.....	10 00
4292	W. S. Smith, supplies for poor.....	10 90
4293	L. Valiquette, Jr., supplies for poor.....	25 40
4294	J. A. Donahue & Co., supplies for poor.....	20 00
4295	Clifford Bros., burial supplies for poor.....	7 50
4296	M. G. McCormack, burial supplies for poor.....	18 00

No.		Amount.
4297	W. C. Jenne, supplies for poor.....	10 26
4298	Ellen Smith, taking care of poor.....	4 00
4299	G. L. Smith, supplies for city farm.....	16 00
4300	C. Sterns & Co., supplies for city farm.....	7 96
4301	F. Gosselin, supplies for city farm....	13 50
4302	Union Pacific Tea Co., supplies for city farm....	37 82
4303	A. H. Colvin & Co., supplies for city farm.....	4 32
4304	Julia McGrath, work at city farm.....	10 00
4305	E. A. Davis, taking care of poor.....	10 50
4306	Dr. C. W. Strobell, expenses to Boston.....	16 00
4333	J. McGuirk, blacksmithing.....	1 25
4335	Dr. C. W. Strobell, salary as City Physician, April	22 97
4336	Dr. W. M. Stearns, examination of insane poor..	10 00
4337	W. C. Landon, supplies for city farm.....	4 96
4339	Burditt Bros., supplies for city farm.....	44 98
4364	M. Stearns, supplies for poor.....	69 00
4365	Duffy & Clifford, supplies for poor.....	57 00
4366	G. H. & H. W. Cheney, supplies for poor.....	57 00
4367	J. S. Grandey, supplies for poor.....	8 00
4368	P. McManus, supplies for poor.....	10 00
4369	M. A. Bourne, supplies for poor.....	13 35
4370	B. Billings & Son, supplies for poor.....	12 00
4371	A. W. Edson, supplies for poor.....	1 60
4372	F. P. Robinson, supplies for poor.....	3 00
4373	F. W. Gary, supplies for poor.....	5 00
4374	D. C. Lyman, supplies for poor.....	1 50
4375	J. Welch, supplies for poor.....	3 00
4376	Combination Cash Store Co., supplies for poor and city farm.....	178 86
4377	E. D. Keyes & Co., supplies for city farm.....	54 20
4378	A. H. Colvin & Co., supplies for city farm.....	3 00
4379	B. F. & F. E. D. Farmer, supplies for city farm..	16 50
4380	J. Magen, supplies for city farm....	4 20
4381	The Davis Retail Grain Store, supplies for city farm.....	6 60
4382	C. Sterns & Co., supplies for city farm.....	12 00
4383	F. Gosselin, supplies for city farm.....	13 65
4384	Ellwanger & Berry, supplies for city farm....	25 00
4385	J. Rooney, supplies for city farm..	13 00
4386	A. Reed, supplies for city farm.....	6 00
4387	J. Beattie, salary as overseer, April, and paid for sundries.....	57 85
4388	M. Londerville, work at city farm, April.....	12 86
4389	Mamie Lorette, taking care of poor.....	7 50
4417	Water tax on hospital property.....	15 75
4424	W. C. Landon, supplies for city farm.....	3 15

No.	Amount.
4426 Combination Cash Store Co., supplies for poor and city farm . . . . .	138 74
4427 Burditt Bros., supplies for city farm . . . . .	7 70
4471 G. H. & H. W. Cheney, supplies for poor . . . . .	51 00
4472 Duffy & Clifford, supplies for poor . . . . .	42 00
4473 M. Stearns, supplies for poor . . . . .	50 64
4474 J. F. Sweeney, supplies for poor . . . . .	5 50
4475 W. S. Smith, supplies for poor . . . . .	2 50
4476 D. B. Twigg, supplies for poor . . . . .	28 00
4477 J. A. Donahue & Co., supplies for poor . . . . .	10 00
4478 J. S. Grandey, supplies for poor . . . . .	8 00
4479 F. W. Gary, supplies for poor . . . . .	5 00
4480 Kissane & Donahue, supplies for poor . . . . .	2 39
4481 Langlois & Marseau, supplies for poor . . . . .	10 00
4482 M. G. McCormack, burial supplies for poor . . . . .	18 00
4483 Wm. Seward, supplies for city farm . . . . .	7 00
4484 E. E. Shedd, admr., supplies for city farm . . . . .	3 50
4485 H. L. Hoag, supplies for city farm . . . . .	14 75
4486 E. D. Keyes & Co., supplies for city farm . . . . .	53 65
4487 Mamie A. Lorette, taking care of poor . . . . .	6 00
4488 C. Sterns & Co., supplies for city farm . . . . .	18 76
4489 E. M. Woodruff, supplies for city farm . . . . .	22 42
4490 Mrs. H. E. Seward, supplies for city farm . . . . .	8 00
4491 J. E. Creed, supplies for city farm . . . . .	23 00
4492 A. C. Bates & Son, supplies for city farm . . . . .	12 25
4493 James Beattie, salary as overseer, May, and paid for sundries . . . . .	55 65
4494 Ellen Beattie, work at city farm, May . . . . .	13 29
4529 Dr. C. W. Strobell, salary as City Physician, May . . . . .	22 91
4530 F. E. Sturtevant & Co., supplies for poor . . . . .	1 50
4531 Fred Ranger, supplies for poor . . . . .	6 00
4532 L. Valiquette, Jr., supplies for poor . . . . .	15 10
4549 S. Terrill & Son, supplies for city farm . . . . .	2 20
4551 M. A. Bourne, supplies for poor . . . . .	2 00
4552 The Combination Cash Store Co., supplies for poor and city farm . . . . .	138 29
4572 Mamie A. Lorette, taking care of poor . . . . .	7 50
4588 Duffy & Clifford, supplies for poor . . . . .	59 00
4589 Burditt Bros., supplies for poor . . . . .	3 45
4614 W. C. Landon, supplies for city farm . . . . .	7 15
4615 W. D. Lane, supplies for city farm . . . . .	3 60
4616 G. H. & H. W. Cheney, supplies for poor . . . . .	60 00
4617 M. Stearns, supplies for poor and city farm . . . . .	47 61
4618 P. F. McManus, supplies for poor . . . . .	15 00
4619 Bardy & Wilson, supplies for poor . . . . .	2 00
4620 B. Billings & Son, supplies for poor . . . . .	5 00
4621 D. C. Lyman, supplies for poor . . . . .	4 00

No.	Amount.
4622 F. W. Gary, supplies for poor . . . . .	5 00
4623 J. S. Grandey, supplies for poor . . . . .	8 00
4624 Langlois & Marseau, supplies for poor . . . . .	8 00
4625 Brattleboro Retreat, car fare for poor . . . . .	3 00
4626 Banquet House, supplies for poor . . . . .	3 75
4627 John McGuirk, supplies for city farm . . . . .	1 25
4628 Davis Retail Grain Store, supplies for city farm . . . . .	5 50
4629 F. C. Londerville, work at city farm . . . . .	10 80
4630 Mrs. M. Santware, work at city farm . . . . .	14 00
4631 E. D. Keyes & Co., supplies for city farm . . . . .	25 53
4632 W. P. Jones, work at city farm . . . . .	88
4633 F. Gosselin, supplies for city farm . . . . .	6 93
4634 C. Sterns & Co., supplies for city farm . . . . .	22 41
4635 Dr. H. L. Newell, salary as city physician, 2 months . . . . .	25 00
4636 James Beattie, salary as overseer, June, and paid for sundries . . . . .	81 60
4637 Ellen Beattie, work at city farm . . . . .	12 86
4657 W. L. Davis, city treas., water tax abated . . . . .	14 00
4683 Dr. W. M. Stearns, examination of insane person . . . . .	5 00
4691 J. McGuirk, blacksmithing . . . . .	1 75
4693 L. Valiquette, jr., supplies for poor . . . . .	12 85
4715 Burditt Bros., supplies for city farm . . . . .	4 10
4729 The Combination Cash Store Co., supplies for poor and city farm . . . . .	123 41
4730 G. H. & H. W. Cheney, supplies for poor . . . . .	55 00
4731 Duffy & Clifford, supplies for poor . . . . .	35 00
4732 M. Stearns, supplies for poor . . . . .	41 00
4733 J. S. Grandey, supplies for poor . . . . .	8 00
4734 F. W. Gary, supplies for poor . . . . .	5 00
4735 P. F. McManus, supplies for poor . . . . .	8 00
4736 B. Billings & Son, supplies for poor . . . . .	5 00
4737 C. Temple, supplies for city farm . . . . .	3 75
4738 F. Gosselin, supplies for city farm . . . . .	8 06
4739 F. Chaffee's Sons, supplies for city farm . . . . .	3 13
4740 J. Magen, supplies for city farm . . . . .	5 32
4741 F. W. Greene, supplies for city farm . . . . .	11 15
4742 E. D. Keyes & Co., supplies for city farm . . . . .	32 83
4743 D. C. Lyman, supplies for poor . . . . .	1 50
4744 C. Sterns & Co., supplies for city farm . . . . .	20 20
4745 H. Peryea, work at city farm . . . . .	11 00
4746 H. Peryea, work at city farm . . . . .	7 00
4747 Dr. H. L. Newell, salary as City Physician, July . . . . .	12 50
4748 James Beattie, salary as overseer, July, and paid for sundries . . . . .	62 60
4749 Ellen Beattie, work at city farm, July . . . . .	13 29
7484 Town of Proctor, judgment . . . . .	45 03

No.	Amount.
4795 M. Stearns, supplies for poor .....	41 00
4796 The Combination Cash Store Co., supplies for poor and city farm .....	134 60
4797 E. D. Keyes & Co., supplies for city farm .....	39 05
4798 D. B. Twigg, supplies for poor .....	8 00
4836 G. H. & H. W. Cheney, supplies for poor .....	54 00
4837 D. C. Lyman, supplies for poor .....	1 50
4838 P. F. McManus, supplies for poor .....	8 00
4839 J. S. Grandey, supplies for poor .....	6 00
4840 F. W. Gary, supplies for poor .....	5 00
4841 Duffy & Clifford, supplies for poor .....	35 00
4842 Town of Brandon, Vt., supplies for poor .....	7 00
4843 J. A. Donahue & Co., supplies for poor .....	34 00
4844 Burditt Bros., supplies for poor .....	5 60
4845 C. Sterns & Co., supplies for city farm .....	15 90
4846 The Davis Retail Grain Co., supplies for city farm .....	4 00
4847 H. L. Hoag, supplies for city farm .....	28 05
4848 F. Gosselin, supplies for city farm .....	8 30
4849 Union Pacific Tea Co., supplies for city farm .....	29 65
4850 Julia McGrath, work at city farm .....	7 00
4851 James Beattie, salary as overseer, August, and paid for sundries .....	53 00
4852 Ellen Beattie, work at city farm, August .....	13 29
4853 Dr. H. L. Newell, salary as City Physician, Aug. .....	12 50
4854 Dr. J. D. Hanrahan, examination of insane poor .....	5 00
4889 W. L. Ferguson, agent, freight bills .....	4 10
4890 Mrs. Anna Foster, taking care of poor .....	13 00
4891 E. D. Keyes & Co., supplies for poor .....	10 50
4892 Dr. J. J. Trudel, attending poor .....	5 00
4893 Dr. H. L. Newell, attending poor .....	5 00
4899 G. H. & H. W. Cheney, supplies for poor .....	52 00
4900 J. McGuirk, supplies for city farm .....	1 90
4901 The Combination Cash Store Co., supplies for poor and city farm .....	126 60
4903 B. F. Pollard, supplies for poor .....	16 00
4904 M. A. Bourne, coal .....	6 00
4921 Burditt Bros., supplies for city farm .....	23 50
4943 Duffy & Clifford, supplies for poor .....	46 50
4944 E. D. Keyes & Co., supplies for poor and city farm .....	44 81
4945 P. F. McManus, supplies for poor .....	10 00
4946 D. C. Lyman, supplies for poor .....	1 50
4947 Kinsman & Purdy, supplies for poor .....	6 00
4948 M. Stearns, supplies for poor .....	56 45
4949 F. W. Gary, supplies for poor .....	5 00
4950 J. A. Donahue & Co., supplies for poor .....	8 00
4951 J. S. Grandey, supplies for poor .....	6 00

No.	Amount.
4952 Mercier & Dervin, supplies for poor .....	4 00
4953 L. G. Kingsley, burial supplies for poor .....	26 80
4954 Clifford Bros., burial supplies for poor .....	23 00
4955 Mamie A. Lorette, taking care of poor .....	7 25
4956 Norfolk Mfg. Co., supplies for city farm .....	22 14
4957 F. Gosselin, supplies for city farm .....	5 65
4958 The Davis Retail Grain Store, supplies for city farm .....	7 10
4959 James Rooney, supplies for city farm .....	19 00
4960 J. R. Palmer, work at city farm .....	6 75
4961 M. E. Daley, trucking to city farm .....	8 50
4962 P. Timbers, trucking to city farm .....	8 50
4963 F. Pistol, supplies for city farm .....	1 60
4964 Jas. Beattie, salary as overseer, Sept., and paid for sundries .....	56 71
4965 Ellen Beattie, work at city farm, Sept. ...	12 86
4966 Dr. H. L. Newell, salary as City Physician, Sept. ...	12 50
4986 E. E. Crawford, agent, freight bills .....	1 10
4987 H. A. Sawyer & Co., supplies for poor .....	2 50
4994 C. Guertin, opening and closing grave .....	2 00
4995 F. E. Sturtevant & Co., supplies for poor .....	4 75
4996 James Beattie, paid for supplies for poor .....	5 02
5009 E. D. Keyes & Co., supplies for city farm .....	45 75
5011 J. W. Cramton & Co., supplies for city farm .....	21 38
5013 Burditt Bros., supplies for city farm .....	21 86
5014 M. A. Bourne, supplies for poor .....	9 00
5016 Duffy & Clifford, supplies for poor .....	21 77
5054 The Combination Cash Store Co., supplies for poor and city farm .....	94 92
5055 G. H. & H. W. Cheney, supplies for poor .....	51 75
5056 P. F. McManus, supplies for poor .....	8 00
5057 Farmer, Dawley & Farmer, supplies for poor ...	5 00
5058 D. C. Lyman, supplies for poor .....	1 50
5059 F. W. Gary, supplies for poor .....	5 00
5060 D. Mecier, supplies for poor .....	4 00
5061 L. Valiquette, jr., supplies for poor .....	29 95
5062 E. J. Thomas & Co., supplies for poor .....	28 00
5063 J. S. Grandey, supplies for poor .....	8 00
5064 Rochester Clothing Co., supplies for poor .....	11 75
5065 M. Stearns, supplies for poor .....	36 00
5066 Kissane & Donahue, supplies for poor .....	9 02
5067 Vermont State Asylum, supplies for poor .....	2 95
5068 L. G. Kingsley, burial supplies for poor .....	6 00
5069 C. Sterns & Co., supplies for city farm .....	29 33
5070 F. Gosselin, supplies for city farm .....	9 48
5071 F. H. Davine, supplies for city farm .....	3 56

No.		Amount.
5073	The Davis Retail Grain Store, supplies for city farm.....	6 85
5073	A. H. Colvin & Co., supplies for city farm.....	48 44
5074	Barrett Bros., supplies for city farm.....	9 00
5075	City Drug Store, supplies for city farm.....	3 65
5076	Wm. Seward, work at city farm.....	7 00
5077	James Palmer, work at city farm.....	1 50
5078	Mamie A. Lorette, taking care of poor.....	6 64
5079	James Beattie, salary as overseer, Oct., and paid for sundries.....	54 50
5080	Ellen Beattie, work at city farm, Oct.....	13 29
5081	Dr. H. L. Newell, salary as City Physician, Oct..	12 50
5115	L. Valiquette, jr., supplies for poor.....	8 75
5127	The Combination Cash Store Co., supplies for poor and city farm.....	116 28
5128	J. McGuirk, supplies for city farm .....	1 25
5129	F. Pistol, supplies for city farm.....	1 40
5131	Burditt Bros., supplies for city farm.....	123 31
5132	H. A. Sawyer & Co., supplies for city farm.....	8 14
5133	M. A. Bourne, supplies for poor.....	12 00
5165	Duffy & Clifford, supplies for poor.....	53 60
5174	W. L. Davis, City Treas., water tax abatement..	15 00
5179	G. H. & H. W. Cheney, supplies for poor.....	40 00
5180	M. Stearns, supplies for poor.....	44 99
5181	P. F. McManus, supplies for poor.....	8 00
5182	D. C. Lyman, supplies for poor.....	1 50
5184	W. S. Smith, supplies for poor.....	11 80
5185	J. S. Grandey, supplies for poor.....	8 00
5186	W. E. Ross, supplies for poor.....	3 00
5187	F. W. Gary, supplies for poor.....	5 00
5188	Farmer, Dawley & Farmer, supplies for poor....	10 00
5189	E. D. Keyes & Co., supplies for poor and city farm.....	68 13
5190	M. S. Denio, supplies for city farm.....	4 00
5191	R. Ranger, supplies for city farm.....	7 00
5192	H. L. Hoag, supplies for city farm.....	14 15
5193	F. Gosselin, supplies for city farm.....	8 85
5194	C. Sterns & Co., supplies for city farm.....	5 48
5195	B. E. Horton, supplies for city farm.....	5 95
5196	A. H. Colvin & Co., supplies for city farm.....	25 50
5197	Tracey & Moran, supplies for city farm.....	39 85
5198	The Davis Retail Grain Store, supplies for city farm.....	9 05
5199	James Beattie, salary as overseer, Nov., and paid for sundries.....	55 21
5200	Ellen Beattie, work at city farm, Nov.....	12 86
5201	Mamie A. Lorette, taking care of poor.....	7 50

No.		Amount.
5202	Dr. H. L. Newell, salary as City Physician, Nov.	12 50
5253	M. A. Bourne, supplies for poor.....	19 00
5254	L. G. Kingsley, supplies for city farm.....	25 34
5256	J. Welch, supplies for poor.....	6 00
5258	Burditt Bros., supplies for city farm.....	12 45
5259	Duffy & Clifford, supplies for poor.....	146 87
5260	A. W. Edson, supplies for poor.....	3 00
5261	F. W. Gary, supplies for poor....	10 00
5296	R. M. Spaulding, supplies for city farm .....	15 00
5298	Stearns, Cleaveland & Co., supplies for poor....	44 00
5299	G. H. & H. W. Cheney, supplies for poor.....	61 00
5300	Mecier & Dervin, supplies for poor.....	9 00
5301	D. C. Lyman, supplies for poor.....	1 50
5302	P. F. McManus, supplies for poor.....	8 00
5303	F. C. Wilson, agent, supplies for poor.....	6 00
5304	J. S. Grandey, supplies for poor.....	8 00
5305	F. Fenn, supplies for poor.....	10 95
5306	H. C. Durkee, supplies for poor.....	6 00
5307	Clifford Bros., moving poor.....	8 00
5308	The Combination Cash Store Co., supplies for poor and city farm .....	188 18
5309	Kissane & Donahue, supplies for city farm.....	38 83
5310	C. E. Barker, supplies for city farm.....	10 00
5311	The Davis Retail Grain Store, supplies for city farm.....	6 35
5312	C. E. Channell, supplies for city farm ..	1 25
5313	Union Pacific Tea Co., supplies for city farm....	32 00
5314	C. Sterns & Co., supplies for city farm.....	14 40
5315	M. E. Tenney, supplies for city farm.....	6 00
5316	A. Reed, work at city farm.....	4 00
5317	H. F. Noyes, work at city farm.....	14 00
5318	Dr. H. L. Newell, salary as City Physician, Dec..	12 50
5319	Mamie A. Lorette, taking care of poor.....	6 00
5320	James Beattie, salary as overseer, Dec., and paid for sundries.....	72 00
5321	Ellen Beattie, work at city farm, Dec.....	13 29
5333	H. L. Hoag, supplies for city farm.....	13 34
5334	The Tuttle Co., supplies for city farm .....	3 50
5335	F. Gosselin, supplies for city farm.....	16 03
		<hr/> 9,192 62

### Light Department Account, 1896.

No.		Amount.
4000	Marble City Electric Co., lights, January... ..	\$ 1,161 39
4001	People's Gas Light Co., lights, Dec., 1895.....	13 40

No.		Amount.
4061	People's Gas Light Co., lights, Jan., 1896.....	12 80
4125	Marble City Electric Co., lights, February.....	1,062 82
4190	People's Gas Light Co., lights, February.....	7 80
4215	L. W. Fuller, salary in part as draughtsman, March.....	5 00
4262	Marble City Electric Co., lights, March.....	1,131 50
4313	People's Gas Light Co., lights, March.....	8 00
4353	Marble City Electric Co., lights, April.....	1,078 10
4404	People's Gas Light Co., lights, April.....	7 20
4447	Marble City Electric Co., lights, May.....	1,117 10
4514	People's Gas Light Co., lights, May.....	5 60
4590	People's Gas Light Co., lights, June.....	7 20
4656	Marble City Electric Co., lights, June.....	1,071 96
4716	Marble City Electric Co., lights, July.....	1,110 08
4816	Marble City Electric Co., lights, August.....	1,125 37
4817	People's Gas Light Co., lights, July and August	12 80
4927	Marble City Electric Co., lights, September .....	1,080 81
4928	People's Gas Light Co., lights, September.....	9 00
5036	Marble City Electric Co., lights, October.....	1,123 04
5108	People's Gas Light Co., lights, October.....	16 40
5151	Marble City Electric Co., lights, November.....	1,096 96
5152	People's Gas Light Co., lights, November.....	11 40
5284	Marble City Electric Co., lights, Dec.....	1,138 08
		<u>\$13,413 81</u>

### Fire Department Account, 1896.

No.		Amount.
3949	Pay roll, January.....	\$ 303 15
3953	Moseley & Stoddard Mfg. Co., lumber and work	21 29
3985	E. H. Wood, pipe, etc.....	4 25
3986	H. A. Sawyer & Co., paper rolls, brooms, etc...	15 50
3987	E. D. Keyes & Co., 1 box "bon ami".....	2 50
3988	Burditt Bros., coal, feed, etc.....	81 18
3989	W. C. Landon, cement.....	3 50
3991	B. K. Houston, work at station 2.....	26 75
3992	Banner Steam Laundry, laundry work.....	5 73
3993	A. C. Bates & Son, supplies.....	39 94
3994	The E. S. Greeley & Co., vitrol, etc.....	38 96
3995	Coolidge & Morse, repairs.....	1 76
3996	S. P. Curtis & Son, combination feed.....	75
3997	Lander & Hart, blacksmithing.....	7 68
3998	E. M. Pennock, straw.....	9 81
3999	New England Telephone & Telegraph Co., tele- phone service.....	14 00

No.		Amount.
4060	Burditt Bros., feed.....	25 53
4079	Pay roll, February.....	335 42
4082	J. W. Cramton & Co., cuspidors, lantern globes, etc.....	3 75
4084	Levi G. Kingsley, table, mirror, mat, etc.....	4 65
4086	Burditt Bros., coal and feed.....	18 38
4096	L. W. Fuller, salary in part as draughtsman, February.....	3 00
4118	Lander & Hart, blacksmithing.....	10 63
4119	N. A. Malmgren, work.....	3 00
4120	C. E. Cardelle, flooring.....	41 05
4121	Mrs. E. H. Wood, laundry work.....	3 04
4122	Dr. R. Weir, medical attendance .....	11 10
4123	H. H. Baxter Hose Co., furniture.....	10 00
4189	Burditt Bros., feed and coal.....	41 21
4207	Pay roll, March, and specials for three months...	668 80
4215	L. W. Fuller, salary in part as draughtsman, March.....	4 00
4248	Moseley & Stoddard Mfg. Co., lumber and work	15 05
4250	Burditt Bros., coal and feed.....	79 50
4251	A. C. Bates & Son, supplies.....	33 78
4252	C. E. Channell, supplies and repairs .....	2 76
4253	S. Terrill & Son, repairing hose wagon.....	124 20
4254	C. G. Braxmar, insignias, etc.....	14 50
4255	Coolidge & Morse, repairs.....	5 20
4256	G. W. Farr, work.....	3 50
4257	The E. S. Greeley & Co., blue vitrol .....	21 88
4258	New England Telephone & Telegraph Co., tele- phone service....	14 00
4259	R. D. Beals, work on fire alarm.....	1 00
4260	Lander & Hart, blacksmithing.....	5 86
4261	C. W. Ward, chloro naphthol.....	6 25
4311	Mrs. E. H. Wood, laundry work, March.....	5 01
4331	Pay roll, April.....	350 00
4337	W. C. Landon, seed, rake, etc.....	2 04
4339	Burditt Bros., feed.....	26 56
4351	Lander & Hart, blacksmithing.....	11 00
4352	Mrs. E. H. Wood, laundry work.....	4 13
4403	G. E. Pelton, printing report blanks.....	8 00
4420	Pay roll, May.....	336 30
4427	Burditt Bros., feed.....	17 23
4445	Lander & Hart, blacksmithing.....	4 55
4446	Mrs. E. H. Wood, laundry work.....	5 00
4543	Pay roll, June, and specials for three months....	676 10
4578	R. D. Beals, work on fire alarm.....	5 15
4579	J. Kirkpatrick, work on fire alarm.....	4 40
4580	E. C. Goodrich, work on fire alarm.....	2 00

No.	Amount.
4581 Lander & Hart, blacksmithing...	7 40
4582 J. H. Monette, blacksmithing.....	25
4588 Mrs. E. H. Wood, laundry work.....	5 26
4584 Robert Weir, medical services.....	7 10
4585 Gleason & Bailey Mfg. Co., chemical charges....	7 00
4586 C. W. Ward, disinfectant.....	6 25
4587 Miner & Thomas, medicines.....	5 20
4588 Duffy & Clifford, wood.....	2 00
4589 Burditt Bros., feed.....	26 41
4673 E. M. Pennock, straw .....	8 76
4674 New England Telephone and Telegraph Co., use of telephone to Oct. 1.....	14 00
4686 Pay roll, July.....	348 00
4715 Burditt Bros., feed.....	15 37
4717 G. E. Pelton, fire alarm cards.....	6 00
4764 Burditt Bros., feed and coal.....	104 07
4775 J. W. Cramton & Co., supplies.....	6 97
4776 Mrs. E. H. Wood, laundry work.....	4 15
4777 Moseley & Stoddard Mfg. Co., lumber and labor	5 15
4778 Union Water Meter Co., gong and valve .....	85 00
4779 Lander & Hart, blacksmithing, July.....	9 00
4789 Pay roll, August.....	350 00
4793 Moseley & Stoddard Mfg. Co., lumber and labor	6 60
4794 W. C. Landon, cement.....	1 25
4810 Coolidge & Morse, work on steamer, whistle, etc.	135 25
4811 Mrs. E. H. Wood, laundry work.....	10 46
4812 A. C. Bates & Son, supplies .....	39 59
4818 K. K. Hannum, paid freight, etc.....	4 68
4814 Mrs. W. D. Lane, floor oil.....	3 25
4815 Lander & Hart, blacksmithing.....	5 90
4881 Burditt Bros., feed.....	27 11
4896 Pay roll, Sept., and specials for three months....	800 25
4898 Moseley & Stoddard Mfg. Co., supplies .....	3 39
4902 W. C. Landon, straps, wrench, etc.....	3 40
4921 Burditt Bros., feed.....	14 58
4922 Lander & Hart, blacksmithing.....	6 50
4923 Mrs. E. H. Wood, laundry work.....	4 33
4924 Dr. R. Weir, medical attendance.....	4 50
4925 S. P. Curtis & Son, feed.....	7 20
4926 L. Valiquette, jr., repairs.....	70
4930 G. E. Chalmers, frame for cards .....	1 50
4989 Boston Woven Hose and Rubber Co., repairs and supplies.....	3 35
4990 E. H. Wood, repairs and supplies.....	9 65
4991 F. Poro, work at Burditt fire.....	2 00
4992 B. K. Houston, repairs at stations.....	10 35
4993 S. P. Curtis & Son, feed .....	7 30

No.	Amount.
5006 Pay roll, Oct. ....	346 02
5016 Duffy & Clifford, wood.....	2 00
5017 Moseley & Stoddard Mfg. Co., lumber, etc .....	80
5030 S. P. Curtis & Son, feed.....	8 25
5031 New England Telephone and Telegraph Co., use of telephone to Jan. 1, 1897.....	14 00
5032 Lander & Hart, blacksmithing.....	8 63
5033 Mrs. E. H. Wood, laundry work.....	8 81
5034 Receivers of The E. S. Greeley Co., zinc, copper, etc.....	55 36
5035 Chas. Reed, work at Burditt fire.....	1 00
5100 Burditt Bros., feed.....	11 57
5109 G. E. Pelton, placards .....	1 25
5124 Pay roll, November.....	350 00
5131 Burditt Bros., feed.....	10 67
5143 Lander & Hart, blacksmithing .....	10 50
5144 Mrs. E. H. Wood, laundry work.....	5 56
5145 S. P. Curtis & Son, feed.....	8 72
5146 G. E. Pelton, printing for marshal.....	5 50
5147 G. W. Farr, repairing floor, station 2.....	1 00
5148 The New England Gamewell Co., repairing fire alarm indicator.....	7 11
5149 Boston Woven Hose and Rubber Co., washers and hooks .....	3 05
5150 Receivers of the E. S. Greeley & Co., vitrol.....	17 54
5216 Pay roll, Dec., and specials for period ending Dec. 31.....	686 23
5222 Andrew J. Morse & Son, repairing pipe, etc.....	22 20
5223 Eureka Fire Hose Co., hose and attachment.....	10 50
5224 La France Fire Engine Co., ladder, pole, lantern, etc.....	13 00
5225 Gleason & Bailey Mfg. Co., lanterns, pick heads, etc.....	13 25
5254 L. G. Kingsley, supplies.....	7 88
5255 A. C. Bates & Son, supplies.....	30 53
5257 Coolidge Cycle Co., repairs, etc.....	11 32
5258 Burditt Bros., feed.....	18 03
5259 Duffy & Clifford, wood.....	2 00
5261 F. W. Gary, supplies.....	14 01
5262 Moseley & Stoddard Mfg. Co., lumber and work	7 08
5271 W. C. Landon, paints, etc.....	5 25
5272 Mrs. E. H. Wood, laundry work.....	4 23
5273 C. W. Ward, chloro-naphthol.....	6 25
5274 E. M. Pennock, straw.....	9 36
5275 Dr. Robert Weir, medical attendance.....	3 75
5276 J. K. Learned, carrots .....	1 60
5277 Lander & Hart, blacksmithing.....	7 00

No.		Amount.
5278	G. W. Morse, repairing hose, etc.....	10 60
5279	Miner & Thomas, medicine, etc.....	4 50
5280	S. P. Curtis & Son, feed.....	15 65
5281	J. W. Cramton & Co., supplies.....	3 63
5282	K. K. Hannum, paid express, freight, etc. ....	5 35
5283	Barrett Bros., disinfectant .....	3 50
		<u>\$7,475 38</u>

### Salaries Account, 1896.

No.		Amount.
3990	Dr. W. M. Stearns, salary as Health Officer, Jan. \$	16 67
4038	J. A. Sheldon, salary as Mayor, 1895-6.....	100 00
4039	W. L. Davis, salary as Treasurer, Jan.....	100 00
4040	H. B. Whittier, salary as Clerk, Jan.....	66 66
4041	T. B. Kelley, salary as Janitor, Jan .....	50 00
4164	W. L. Davis, salary as Treasurer, Feb.....	100 00
4165	H. B. Whittier, salary as Clerk, Feb.....	66 66
4166	T. B. Kelley, salary as Janitor, Feb.....	50 00
4167	Dr. W. M. Stearns, salary as Health Officer, Feb.	16 67
4168	L. V. Green, salary as auditor .....	15 00
4169	C. H. West, salary as auditor.....	15 00
4170	H. C. Otis, salary as auditor.....	15 00
4199	Geo. E. Royce, salary as commissioner of sink- ing fund.....	25 00
4200	N. P. Kingsley, salary as Commissioner of Sink- ing Fund.....	25 00
4201	Geo. E. Clark, salary as Inspector of Buildings..	100 00
4228	W. L. Davis, salary as Treasury, March.....	100 00
4229	H. B. Whittier, salary as Clerk, March.....	66 66
4230	T. B. Kelley, salary as Janitor, March.....	50 00
4231	Dr. W. M. Stearns, salary as Health Officer, Mar.	16 67
4232	F. L. Clark, salary as Truant Officer, Jan., Feb., and March.....	40 00
4336	Dr. W. M. Stearns, salary as Health Officer, April	16 67
4390	W. L. Davis, salary as Treasurer, April.....	100 00
4391	H. B. Whittier, salary as Clerk, April.....	66 66
4392	T. B. Kelley, salary as Janitor, April.....	50 00
4393	C. Clark, salary as Commissioner of Sinking Fund.....	25 00
4459	W. M. Ross, assisting assessors 21 days.....	63 00
4460	F. H. Chapman, assisting assessors, as clerk 63 days.....	189 00
4495	W. L. Davis, salary as Treasurer, May.....	100 00

No		Amount.
4496	H. B. Whittier, salary as Clerk, May.....	66 66
4497	T. B. Kelley, salary as Janitor, May .....	50 00
4498	Dr. W. M. Stearns, salary as Health Officer, May	16 67
4525	C. L. Howe, salary as City Attorney, Jan. 1 to April 1 .....	33 34
4533	Walter A. Clark, 49 days' salary as assessor....	147 00
4534	J. N. Woodfin, 55 days' salary as assessor.....	165 00
4535	G. H. Verder, 63 days' salary as assessor.....	189 00
4638	W. L. Davis, salary as Treasurer, June.....	100 00
4639	H. B. Whittier, salary as Clerk, June.....	66 66
4640	T. B. Kelley, salary as Janitor, June .....	50 00
4641	Dr. W. M. Stearns, salary as Health Officer, June	16 67
4675	F. L. Clark, 10 days' salary as Truant Officer....	20 00
4750	W. L. Davis, salary as Treasurer, July.....	100 00
4751	H. B. Whittier, salary as Clerk, July.....	66 66
4752	T. B. Kelley, salary as Janitor, July.....	50 00
4753	Dr. W. M. Stearns, salary as Health Officer, July	16 67
4855	W. L. Davis, salary as Treasurer, Aug.....	100 00
4856	H. B. Whittier, salary as Clerk, Aug.....	66 66
4857	T. B. Kelley, salary as Janitor, Aug.....	50 00
4858	Dr. W. M. Stearns, salary as Health Officer, Aug	16 67
4967	W. L. Davis, salary as Treasurer, Sept.....	100 00
4968	H. B. Whittier, salary as clerk, Sept.....	66 66
4969	T. B. Kelley, salary as Janitor, Sept .....	50 00
4970	Dr. W. M. Stearns, salary as Health Officer, Sept	16 67
5082	W. L. Davis, salary as Treasurer, Oct.....	100 00
5083	H. B. Whittier, salary as Clerk, Oct .....	66 66
5084	T. B. Kelley, salary as Janitor, Oct.....	50 00
5085	Dr. W. M. Stearns, salary as Health Officer, Oct	16 67
5203	W. L. Davis, salary as Treasurer, Nov.....	100 00
5204	H. B. Whittier, salary as Clerk, Nov.....	66 66
5205	T. B. Kelley, salary as Janitor, Nov.....	50 00
5206	Dr. W. M. Stearns, salary as Health Officer, Nov	16 67
5322	W. L. Davis, salary as Treasurer, Dec.....	100 00
5323	H. B. Whittier, salary as Clerk, Dec.....	66 66
5324	T. B. Kelley, salary as Janitor, Dec.....	50 00
5325	Dr. W. M. Stearns, salary as Health Officer, Dec	16 67

\$3,966 30

### Police Department Account, 1896.

No.		Amount.
3948	Pay roll, January.....	\$ 300 00
4078	Pay roll, February.....	300 00

No.		Amount.
4117	T. C. Elworth, salary as Chief of Police, 1895-6..	100 00
4206	Pay roll, March .....	300 00
4330	Pay roll, April .....	320 00
4349	T. C. Elworth, paid for cleaning mattresses.....	3 00
4350	L. G. Kingsley, floor oil .....	1 00
4419	Pay roll, May.....	360 00
4444	Tracy & Moran, repairing lockup.....	9 30
4544	Pay roll, June.....	360 00
4553	H. A. Sawyer & Co., envelopes.....	1 50
4685	Pay roll, July.....	361 00
4717	G. E. Pelton, stationery.....	6 00
4788	Pay roll, Aug. . . . .	385 00
4895	Pay roll, September.....	412 00
4987	H. A. Sawyer & Co., staples.....	25
5005	Pay roll, October.....	374 00
5123	Pay roll, November.....	361 00
5142	Bardy & Wilson, overcoats.....	125 00
5250	Pay roll, December.....	374 00
		<u>\$4,453 05</u>

### Liquor Account, 1896.

No.		Amount.
4042	H. A. Blanchard & Co., bill of liquor.....	\$ 148 60
4043	Wood, Pollard & Co., bill of liquor.....	146 65
4044	Reuben Ring & Co., bill of liquor.....	90 50
4045	J. K. Souther & Son, bill of liquor.....	7 50
4046	American Distributing Co., bill of liquor.....	110 16
4047	H. C. Tower, salary as agent, Jan., and freight paid .....	56 62
4048	Geo. Richardson, rent of store, Jan.....	30 00
4072	Arnold & Co., bill of liquor.....	15 00
4073	J. E. Doherty & Co., bill of liquor.....	45 00
4074	Wood, Pollard & Co., bill of liquor.....	87 16
4075	S. F. Petts & Co., bill of liquor.....	54 00
4076	F. W. Hunt & Co., bill of liquor.....	20 00
4171	Moore & Sinnott, bill of liquor.....	237 63
4172	Holden & Clay, bill of liquor.....	104 03
4173	R. L. Rose & Co., bill of liquor.....	98 95
4174	H. C. Tower, salary as agent, Feb., and freight paid.....	58 41
4175	Geo. Richardson, rent of store, Feb.....	30 00
4202	The American Distributing Co., bill of liquor....	111 74
4203	H. A. Blanchard & Co., bill of liquor .....	132 53

No.		Amount.
4233	H. C. Tower, salary as agent, March, and freight paid.....	55 88
4234	Geo. Richardson, rent of store, March .....	30 00
4235	L. W. Fuller, assisting at taking inventory.. . .	1 50
4267	J. J. Fay, record book.....	7 50
4307	M. Sheehan, bill of liquor.....	99 75
4308	Moore & Sinnott, bill of liquor .....	50 00
4309	H. A. Blanchard & Co., bill of liquor.....	50 00
4310	Arnold & Co., bill of liquor.....	12 00
4325	S. F. Petts & Co., bill of liquor.....	45 00
4326	Wood, Pollard & Co., bill of liquor.....	108 56
4327	J. E. Doherty & Co., bill of liquor.....	45 00
4338	H. A. Sawyer & Co., blank book.....	40
4395	Wood, Pollard & Co., bill of liquor.....	106 63
4396	Holden & Clay, bill of liquor.....	50 00
4397	F. W. Hunt & Co., bill of liquor.....	60 00
5398	H. C. Tower, salary as agent, April, and freight paid .....	57 22
4399	Geo. Richardson, rent of store, April .....	30 00
4500	Holden & Clay, bill of liquor. ....	122 94
4501	Wood, Pollard & Co., bill of liquor.....	109 74
4502	H. C. Tower, salary as agent, May, and freight paid .....	53 11
4503	Geo. Richardson, rent of store, May .....	30 00
4514	People's Gas Light Co., lights, May.....	1 20
4536	R. L. Rose Company, bill of liquor.....	72 00
4537	S. F. Petts & Co., bill of liquor.....	108 00
4538	F. W. Hunt & Co., bill of liquor.....	60 00
4539	New England Fire Insurance Co., insurance....	22 50
4590	People's Gas Light Co., lights, June .....	80
4682	H. C. Tower, salary as agent, June, paid freight and for revenue stamp.....	80 75
4683	Wood, Pollard & Co., bill of liquor.....	124 38
4684	Geo. Richardson, rent of store, June.. . . .	30 00
4754	H. C. Tower, salary as agent, July, and freight paid .....	53 93
4755	Geo. Richardson, rent of store, July.....	30 00
4756	Wood, Pollard & Co., bill of liquor.....	107 38
4757	R. L. Rose Co., bill of liquor.....	149 63
4758	S. F. Petts & Co., bill of liquor.....	108 00
4817	People's Gas Light Co., lights, July and Aug....	1 20
4859	Arnold & Co., bill of liquor.....	12 00
4860	Wood, Pollard & Co., bill of liquor.....	107 38
4861	F. W. Hunt & Co., bill of liquor. ....	120 00
4862	H. C. Tower, salary as agent, Aug., and freight paid .....	54 50
4863	Geo. Richardson, rent of store, Aug.....	30 00

No.		Amount.
4928	People's Gas Light Co., lights, Sept.....	1 20
4971	H. C. Tower, salary as agent, Sept., and freight paid.....	53 60
4972	Geo. Richardson, rent of store, Sept.....	30 00
4973	Wood, Pollard & Co., bill of liquor.....	124 83
4997	Holden & Clay, bill of liquor.....	120 00
4998	John O'Neil, bill of liquor.....	111 15
5086	H. C. Tower, salary as agent, Oct., and freight paid.....	54 49
5087	Geo. Richardson, rent of store, Oct.....	30 00
5088	C. H. Graves & Son, bill of liquor.....	119 58
5089	J. O'Neil, bill of liquor.....	183 73
5116	S. F. Petts & Co., bill of liquor.....	120 00
5152	People's Gas Light Co., lights, Nov.....	1 20
5158	R. M. Spaulding, sprinkling street in front of agency.....	5 00
5207	Wood, Pollard & Co., bill of liquor.....	112 10
5208	Holden & Clay, bill of liquor.....	129 67
5209	J. O'Neil, bill of liquor.....	125 40
5210	H. C. Tower, salary as agent, Nov., and freight paid.....	54 17
5211	Geo. Richardson's estate, rent of store, Nov.....	30 00
5212	Geo. Johnson, work at liquor agency.....	1 50
5214	J. M. Bell & Co., bill of liquor.....	486 50
5238	J. O'Neil, bill of liquor.....	245 04
5239	F. W. Hunt & Co., bill of liquor.....	50 00
5240	Duffy & Clifford, coal.....	12 00
5263	Est. of Geo. Richardson, rent of store, Dec.....	30 00
5326	S. F. Petts & Co., bill of liquor.....	170 00
5327	E. H. Wood, salary as agent, Dec., and freight, etc., paid.....	61 53
		<u>\$6,445 60</u>

### Sidewalk Account, 1896.

No.		Amount.
4050	A. L. Adams, building concrete walks.....	\$ 1,064 92
4894	Pay roll, 2 weeks ending Oct. 3, 1896.....	250 75
4901	The Combination Cash Store Co., cheese cloth.....	1 93
4908	H. A. Sawyer & Co., twine.....	25
4910	J. McLaughlin, gravel.....	9 00
4975	Vermont Marble Co.....	114 90
4982	Pay roll, 2 weeks ending Oct. 17.....	54 37
4999	Vermont Marble Co., marble.....	9 92
5022	A. P. Fuller & Co., cutting curbing.....	3 50

No.		Amount.
5024	J. McLaughlin, gravel.....	3 00
5030	S. P. Curtis & Son, burlaps.....	2 63
5117	Vermont Marble Co., curbing.....	10 83
5243	L. W. Fuller, salary in part as draughtsman, November.....	50
		<u>\$1,526 50</u>

### Interest Account, 1896.

No.		Amount.
4049	W. L. Davis, City Treasurer, interest on bonds..	\$ 400 00
4324	W. L. Davis, City Treasurer, interest on bonds and temporary loan warrant.....	5,520 00
4394	W. L. Davis, City Treasurer, interest on temporary loan warrant.....	100 00
4499	W. L. Davis, City Treasurer, interest on school bonds.....	250 00
4540	W. L. Davis, City Treasurer, interest on refunding notes.....	501 66
4759	W. L. Davis, City Treasurer, interest on bonds..	400 00
4786	Commissioners of Sinking Fund, interest on notes and temporary loan warrants.....	341 65
5090	W. L. Davis, City Treasurer, interest on temporary loan warrant No. 72.....	625 00
5091	W. L. Davis, City Treasurer, interest on bonds..	8,780 00
5092	Commissioners of Sinking Fund, interest on bonds 1-10, Series H.....	72 22
5118	W. L. Davis, City Treasurer, interest on temporary loan warrant No. 79.....	671 11
5213	W. L. Davis, City Treasurer, interest on bonds..	650 00
5328	W. L. Davis, City Treasurer, interest on bonds sold Stanwood & Co., and on U. S. Surplus Fund.....	1,354 95
5329	Commissioners of Sinking Fund, interest on refunding notes and temporary loan warrants.....	683 30
5342	W. L. Davis, City Treasurer, interest on temporary loan warrant No. 80.....	622 15
		<u>\$20,972 04</u>

## Sinking Fund Account, 1896.

No.	Amount.
5092 Commissioners of Sinking Fund, to pay bonds 1-10, series H .....	\$10,000 00
5343 Commissioners of Sinking Fund, to pay bonds 1-10, series I, and 1-6, series D .....	16,004 44
	<u>\$26,004 44</u>

## Temporary Loan Warrant Account, 1896.

No.	Amount.
4394 W. L. Davis, City Treasurer, paid warrants Nos. 76, 77 and 78 .....	\$20,000 00
4540 W. L. Davis, City Treasurer, paid warrants Nos. 69, 70 and 71 .....	40,000 00
5090 W. L. Davis, City Treasurer, paid warrant No. 72	15,000 00
5118 W. L. Davis, City Treasurer, paid warrant No. 79	40,000 00
5341 W. L. Davis, City Treasurer, paid warrant No. 73	10,082 59
	<u>\$125,082 59</u>

## Library Account, 1896.

No.	Amount.
4974 Annual appropriation .....	\$ 3,000 00
	<u>\$ 3,000 00</u>

## ENGINEER'S FORCE.

CITY ENGINEER.

SIDNEY SMITH.

TRANSITMAN.

WILLARD W. EGGLESTON.

DRAUGHTSMAN.

FRANCOIS E. MATTHES, January to April.

LOUIS W. FULLER, May to December.

RODMAN.

ELMER S. MOORE.

ASSISTANT IN CHARGE OF SEWER AND WALL INSPECTION.

ARTHUR C. GROVER.

TEMPORARY ASSISTANTS ASSIGNED TO SPECIAL WORK.

MERRITT E. DAVIS,

CHAS. E. GRAVES,

JOHN J. BRYANT,

HERBERT R. GROWER,

FRED W. WARREN,

January to April 11.

FRED W. WARREN,

HERBERT R. GROWER,

FRED E. WATKINS,

July to August 20.

INSPECTORS ON SEWER CONSTRUCTION.

CHAS. B. MANN,

GEO. F. BROWN,

WM. H. FIELD,

January and February.

## REPORT OF THE City Engineer.

### *To the Honorable City Council:*

GENTLEMEN—During the first four months of the year the force of this department was employed on the construction of the Trunk sewer No. 2, the record plans of sewer construction of the previous year, preliminary surveys of Moon Brook and surveys of Main Street, etc. Owing to the financial situation, at the suggestion of the Mayor, all the men employed by the day were discharged on April 11. Mr. Matthes, draughtman, secured employment at an increased salary the latter part of April and Mr. Fuller was engaged in his place. On August 18 a letter was received from the Mayor asking the City Engineer "to notify your assistants that their services will not be required after August 20th, 1896." Notice was issued to them on August 18. On the 22nd Messrs. Eggleston and Moore, by letter, advised the City Engineer that they believed their contract with the city to work for an annual salary was binding. Mr. Grover also required a month's notice. The questions at issue were submitted to the City Attorney by letter of August 24th. The salaried men have continued to fulfil their obligations to the City, awaiting the opinion of the City Attorney. They were engaged by authority of a resolution passed May 13, 1895.

### MAPS.

A large plan of the water pipe system of the City has been made and a general plan of the same upon the scale of the directory map. A record plan shows the tar-concrete walks built during 1895. By the terms of the contract these walks are to be kept in repair by the contractor free of expense to the City for a term of five years.

Pocket maps of the water pipe system, the location of fire hydrants, electric lights, fire alarm boxes, and of the surface of improved streets (so far as records could be found) were prepared for the use of the Mayor, Aldermen and City officials. Copies of these maps were framed and hung in the Council Chamber.

### SEWERAGE.

The Board of Aldermen have instructed the City Engineer during the year to make surveys, plans and estimates for sewers in the following:—

STREET.	FROM.	TO
Bellevue Ave . . . . .	Woodstock Ave. . . . .	Temple St. . . . .
Cramton Ave. . . . .	West St. . . . .	State St. . . . .
Evergreen Ave. . . . .	West St. . . . .	House of C. Rice. . . . .
Granger St. . . . .	Franklin St. . . . .	South St. . . . .
Grove St. . . . .	Library Ave. . . . .	West St. . . . .
Grove St. . . . .	Linden St. . . . .	Tenny Brook . . . . .
Harrison Ave. . . . .	Library Ave. . . . .	Park Ave. . . . .
Holly St. . . . .	Oak St. . . . .	Walnut St. . . . .
Kelly Road. . . . .	Otter Creek. . . . .	West St. . . . .
Moon Brook. . . . .	Otter Creek. . . . .	South Main St. . . . .
Nichols St. . . . .	Grant Ave. . . . .	250 feet Northerly. . . . .
Oak St. . . . .	Baxter St. . . . .	Grove St. . . . .
Pierpont Ave. . . . .	State St. . . . .	North end of Ave. . . . .
State St. . . . .	Cleveland Ave. . . . .	Cramton Ave. . . . .
South Main St. . . . .	Mussey Brook. . . . .	Southerly. . . . .
Temple St. . . . .	North Main St. . . . .	1600 feet Easterly. . . . .
Watkins Ave. . . . .	West St. . . . .	State St. . . . .

After consultation with the Mayor the day force was increased and some of these surveys were made

thoroughly, so that the plans first made for the purpose of sewerage may hereafter be used for any future improvement without further surveys. Estimates have been made for the above, excepting South Main Street and Granger Street.

### SEWER WORK OF 1896.

#### TRUNK SEWER NO. 2.

A description of the route of this sewer is given in the third annual report. It was built by F. L. Allen, contractor, the last pipe being laid on January 9, 1896. Some earth had been washed into the sewer during a severe storm which flooded the trench in the valley east of the Ward 9 schoolhouse. To remove it and to flush the sub-drains occupied the contractor until Feb. 18. The inspection holes between the sewer and sub-drains in the manholes were closed with slabs or slate set in Portland cement. The whole line was carefully inspected and the sewer was ready for use on February 29.

While this sewer was in process of construction it was advised to incase the pipe in concrete, especially at points where the stability of the foundation was doubtful. If the concrete were omitted \$3,380 would be saved; but some pipe would fail. Two hundred and fifty-two feet have been replaced with a concrete casing, and 64 feet which had not failed was also incased in concrete at a total expense to the city of \$1,030. Therefore the omission of concrete has saved the City \$2,350. It is not contemplated that there will be any further failure of this pipe, for it is well known that such failures usually occur soon after the pipe is laid.

When it was found necessary to continue sewer trenching during freezing weather, a heater was constructed by J. H. Holmes & Co. for removing the frost from the surface of the roadway. It was made after the

pattern of those designed by the writer for the City of Boston in 1888, and consists of the upper half of a steel cylinder cut on its axis, one end closed and fitted with a stovepipe, the other end open to receive wood and fitted with a moveable apron. When in use a fire is lighted in one end and the heater moved forward as the ground is thawed. The expense of keeping a man to attend a fire during the night is avoided, as also the danger of setting fire to adjacent property. Gravel, sand, water, etc. may be heated with the same apparatus.

#### HARRISON AVE.

A sewer was built in the year 1893 in Harrison Ave., but because of the elevation of the old Library Ave. sewer, into which it flowed, it was not possible to place it low enough to drain the cellars. Three hundred and fifteen feet of 10-inch pipe sewer with a 4 inch sub-drain discharging into Trunk Sewer No. 2 at Library Ave. has been built to replace it. The old sewer has not been removed but is connected with Trunk Sewer No. 2.

#### PROSPECT AND MADISON STREETS.

The old sewer on Prospect Street was made of plank. In several places the wood had rotted allowing the earth to crush into and fill the sewer, in consequence of which the sewage flowed to the surface and along the street, creating a nuisance. It was replaced by an 8-inch pipe sewer connecting with the sewer in Madison Street. This sewer was found after some difficulty. There were no records in the office and the sewer was not in the place designated by the builder, nor as pointed out by the residents. Seventy-five feet of pipe was laid on Madison Street and 161 feet on Prospect Street with a manhole at the intersection. The usual iron rim and cover have not yet been placed on this manhole because the rail of the Rutland Street Railway

obstructs it. The track may be moved to the center of the street when repairs to its surface are made and the manhole then completed.

#### WILLOW STREET.

The sewer on this street has caused trouble in former years, requiring expensive repairs. Some of the 12-inch pipe had failed and had been replaced. The main sewer was of stone on a plank bottom nearly in the line of a former brook. Its walls were too light and had been crushed inward by the action of the frost, for the sewer lies near the surface. A portion of this sewer from Willow Street to or beyond the store of the Tuttle Co. had been replaced by private parties with condemned or second quality egg shaped cement pipe.

A 20 by 30 inch sewer was built with Portland concrete about forms placed in the trench, thus extending the egg shape to the center of the street. At this point a manhole was placed, in which there is an arrangement for stop plank, so that when the sewer is gorged with storm water it may overflow into the 18-inch pipe sewer which runs westward from this point. Thence easterly a 24-inch pipe sewer was laid for a distance of 20 feet to a second manhole where the 18-inch pipe sewer from West Street was connected by laying 10 feet of 18-inch pipe. Thence easterly a 12-inch pipe was laid for 111 feet to connect with the sewers in Wales Street.

#### GROVE STREET.

The 6-inch sewer in Grove Street, south of Crescent Street, was extended 82 feet southerly to connect with a house built this year.

#### RIVER STREET.

Complaint was made that during storms the sewer on River Street was gorged and forced its sewage into the cellars. The old sewer on this street had been re-

placed by a new one in 1893, but its outlet into the sewer in Spruce street was too high to admit of a greater inclination than 6 inches in 100 feet. The new sewer was an improvement; but no manholes had been built. Therefore it was impossible to say whether the sewer was responsible for the difficulty or not. Manholes were built, therefore, at the angles and changes of grade, so that the sewer is now accessible. Although 16 inches out of line between manholes, the sewer was found to be unobstructed and the flow regular. This indicated that the trouble was in the Spruce Street sewer. Examination of the surface of the private land through which this sewer passes indicated failure of the pipe. Excavation showed this to be the case in the first lot north of River Street. At this point several lengths of 18-inch pipe were crushed, causing a partial stoppage. The end of the cracked pipe was not found. But the cracked end was braced so that new pipe could be entered and temporary repairs made.

#### SPRUCE STREET.

From levels taken at various points on the old Spruce Street sewer, it is apparent that the gradient was raised abruptly near the outlet, thus reducing the depth of cutting and the first cost of the work; but this method has rendered the sewer useless for adequate drainage. It is respectfully suggested that the sewer be rebuilt from the junction of Cherry and Forest Streets to River Street with proper gradients, and so far as practicable in the public streets. Already the owners of private lands through which it passes have asked to have it removed, for it passes through the front portions of lots now becoming desirable for residences. The fact that this sewer would be uncovered by ordinary excavations for cellars prevents the use of the land for building pur-

poses. When built it should be provided with a sub-drain, for the land is of a silty formation.

#### GRANGER STREET.

The Granger Street sewer also discharges into the old Spruce Street sewer. As it is too high to drain the cellars, the property holders have petitioned to have a new sewer placed in that street. Evidently they can obtain no relief until the main sewer shall be replaced by one at a lower grade. This makes the rebuilding of the Spruce Street sewer an urgent matter.

#### OBSTRUCTIONS.

Some of the old stone sewers have been found half full of gravel, caused by allowing the water from the streets to enter them through "well-holes" or drop-inlets. These may be replaced as fast as practicable with catch-basins, which prevent all solid substances from entering the sewers. Fifteen of them have been built this year. A kerosene stove, with its oil can, a ten quart pail one-third full of cement, a shovel and a large pitcher, together with numerous *smaller solid utensils have been found in the sewers this year*. They are the cause of much trouble and expense. Some of these may be seen in this office.

#### HOUSE CONNECTIONS.

The old stone sewer in Pine Street was laid in 1882 near the surface of the street in the west gutter. A portion of it had been relaid in 1885. The new sewer of 1895 was placed as deep as possible in the center of the street. In order to place catch-basins in the street it became necessary to connect the houses to the new sewer and abandon the old one. The Board of Aldermen instructed the Superintendent of Streets to make these connections in straight lines from the sewer to the

houses and at proper, straight grades. The City Engineer was instructed to give these lines and grades.

Work was begun on Pine Street June 15. The residents protested that their drains were all right, had never given them trouble and desired that they should be connected with the sewer by a direct drop in as short a distance as possible. Two of the old house drains were found to be completely filled with sediment, and three of them were more than half full. Some of them were laid with crooked lines and irregular gradients, some without cement, some with cracked pipe. They point to the wisdom of having such work properly done by licensed drain layers under a proper bond.

The new house connections have been laid deep enough to drain the cellars and to a straight line and grade from the sewer inlet to the cellar, wherever practicable. Such drains are likely to keep clean and free from stoppages. But if a rat trap is put into them, or they become the final resting place for an old hoop skirt, the obstruction may be removed by inserting sewer rods into the straight part of the Y in the cellar, thus saving the expense and annoyance of excavations in the street or lawn. Such articles have been found in house drains in this city.

19 house connections were made on Pine Street, 11 on Robbins Street and 35 on Library Avenue by the Superintendent of Streets, requiring 3150 feet of 6-inch pipe. Forty-seven house connections have been made by licensed drain layers. Notes have been taken of their location and they are drawn upon record plans in this office. From such plans and notes their position may be indicated readily on the surface and aid in determining the position of future structures in the street.

## SEWERS REMOVED.

The old stone sewer on Pine Street, from Maple Street to Robbins Street, has been removed or the covering taken off and the sewer refilled without removing the side walls. The 12-inch pipe sewer from Maple Street to Library Ave. on Pine Street and on Library Ave. from Pine Street to Baxter Street has been removed. This sewer was built in 1882, with only a few joints cemented. In places it was nearly filled with gravel, sand and sediment. These sewers were all higher than the cellar bottoms and covered not more than four feet in any place; in some places not over four inches. By reason of the impeded flow of the sewage they became elongated cesspools, exhaling noxious gases through the open drop inlets, offensive and a menace to health. Expense had been incurred to thaw them. The sewers built in 1895 to replace them are deep enough to drain the cellars, they are straight from manhole to manhole, accessible and ventilated. With very little care the new system may be kept in a good sanitary condition.

## SEWER CONNECTIONS.

The sewer on Pine Street, north of Library Ave., the sewer in Library Ave. at the Lincoln Boulevard, the sewer in Library Ave., east of Pine Street, the old sewer at Harrison Ave., and the Bates sewer on Crescent street have been connected with the new Trunk sewer No. 2 by 20 feet of 10-inch, 56 feet of 8-inch and 10 feet of 6-inch pipe.

## SEWER PIPE.

Forms of proposal, specifications and contract for sewer pipe were prepared and 34 duplicates were made in this office on the Simplex Printer.

Proposals for furnishing 40,700 feet of sewer pipe were opened June 16. The contract was awarded to the

H. Wales Lines Co., of Meriden, Conn. The specifications called for "first quality" pipe. On August 17 notice was served on the Street Commissioners that the pipe was not all of proper quality, and they notified the contractor to discontinue the delivery. (See Table No. 1).

## MOON BROOK SEWER.

The preliminary survey of Moon Brook was made in 1895. The areas of the water-shed and of the sewerage districts have been computed, also the prospective population which may contribute sewage in the year 1935. Plans have been made and the line of the sewer located. May 4 the City Engineer presented a report (18 pages) to the Board of Aldermen, and copies were sent to the property owners and others interested.

It was noted that there was an opportunity to utilize low lands, now subject to overflow, for a road or park, if the channel of the brook could be improved. The effect of encroachments upon these lands is to cause the waters in time of flood to rise to a greater height than formerly, thus adding to the damage which an ordinary freshet would cause. The usual remedy adopted in other cities is to take the brook and bordering lands for the purpose of sanitation or improvement, thus bringing them directly under the control of the city.

In other states there are laws providing for the taking of such lands for the purpose of straightening, deepening and widening the channels of streams for better sanitary conditions, more efficient drainage, increasing the value of adjacent property, etc. If there is no such law in the State of Vermont, a general law is recommended. In fact, such improvements usually have the hearty co-operation of the land-owners because of the immediate advance in the value of land.

Table No. 1.

F. O. B., INSPECTION AT RUTLAND.

Diameter, inches.	Quantities in Lineal Feet.	NAME.	Per Cent Discount from the Eastern Standard Price List of Jan. 20, 1887.			All 2' lengths.	2' lengths, 4' and 5'.	3' lengths, 6' to 18'.	2' lengths, 4' to 15'.	3' lengths, 18' ring.	2' lengths, 4' and 5'.	3' lengths, 6' to 18'.	2' lengths, 4' to 18'.	3' lengths, 10' to 18'.	MANUFACTURER.
			Bell, 2'	Bell, 3'	Ring, 3'										
4	16,000	*The H. Wales Lines Co.,	78 1	77 1	73 0	\$4,043 83	\$4,188 99	\$4,479 40	\$4,439 90	.....	.....	.....	.....	.....	N. U. Walker Clay Mfg.
5	3,000	Meriden, Conn.....	78 0	77 0	73 0	4,062 80	4,246 95	4,246 95	4,246 95	.....	.....	.....	.....	.....	Co., Walkers, Ohio.
6	10,000	John Francis's Sons & Co.,	77 0	77 0	73 0	4,246 95	4,246 95	4,246 95	4,246 95	.....	.....	.....	.....	.....	John Francis's Sons & Co., Toronto, Ohio.
8	24,000	Toronto, Ohio.....	77 0	77 0	73 0	4,246 95	4,246 95	4,246 95	4,246 95	.....	.....	.....	.....	.....	The Union Sewer Pipe Co., Akron, Ohio.
10	4,000	Charles Millar & Son.....	77 0	77 0	73 0	4,246 95	4,246 95	4,246 95	4,246 95	.....	.....	.....	.....	.....	John Francis's Sons & Co., Akron, Ohio.
12	700	Union, Oneida Co., N.Y....	77 0	77 0	73 0	4,246 95	4,246 95	4,246 95	4,246 95	.....	.....	.....	.....	.....	Co., fire clay, Toronto, O.
13	400	Willard G. Nash.....	77 0	77 0	73 0	4,246 95	4,246 95	4,246 95	4,246 95	.....	.....	.....	.....	.....	Union Sewer Pipe Co., Akron, Ohio.
15	3,600	220 State St., Boston, Mass.	76 0	73 0	74 5	4,431 60	4,867 05	4,523 40	4,775 25	.....	.....	.....	.....	.....	Kennedy, Kling & Co., Toronto, Ohio.
18	40,700	88 Water St., Boston, Mass.	76 0	73 0	74 5	4,431 60	4,867 05	4,523 40	4,775 25	.....	.....	.....	.....	.....	Portland Stone Ware Co., Portland and Boston.
		P. O. B. 242, Melrose, Mass.	75 0	75 0	75 0	4,616 25	5,671 80	4,923 30	5,427 00	.....	.....	.....	.....	.....	Union Sewer Pipe Co., Akron, Ohio.
		42 Oliver St., Boston, Mass.	74 0	68 0	72 0	4,800 90	5,671 80	4,923 30	5,427 00	.....	.....	.....	.....	.....	
		George D. Goodrich,													
		85 Water St., Boston, Mass.													

\*Note—No extra charge for deep sockets, 2 1/2" on 8" and 3" on 8" and larger diameters.

†Note—And 2 per cent from net of bills for cash in ten days from date of bills.

Above the Rutland Railroad culvert the freshet flow is about 600 cubic feet per second. To take this flow in a covered channel would require a structure 9 1/2 feet in diameter, costing about \$30 per foot or \$150,000 per mile. By limiting the flow to sewage only, making allowance for a population of 16,000 in the year 1935, with 10 cubic feet of sewage each, daily, one-half of which reaches the sewer in 6 hours, the outlet may be reduced to a sewer 1 ft. 10 in. x 2 ft. 9 in., which may cost \$5 per foot or \$26,400 per mile, about 1-6 of the cost of the larger sewer. Above the mouth of Mussey Brook the size may be further reduced to 18 inches in diameter.

The sewers in Plain, Forest, Granger and Park Streets and Gibson Avenue were planned with the above conditions in view and built in 1895. Such sewers are designated as the *Separate System*. The regulations of the Board of Health and the City Ordinances were designed to apply to the *Combined System*. It is recommended that they be changed, so that no running trap will be required on house drains and the drainage from roofs, lawns and areas will be excluded from sewers built upon the separate system, because they were planned for sewage only.

If the above provision is enforced and the old sewers which now discharge both sewage and storm water into the brook are connected with the Moon Brook sewer in such a way that when gorged with storm water they may discharge into the brook, the quantity of sewage to be treated will be more nearly uniform. Irregularity in the amount to be treated adds both to the first cost and to the maintenance of works for purification.

The drainage area of Otter Creek above the Bridge at River Street is about 250 square miles. The dis-

charge of the sewage from the Moon Brook at a point near the south end of Meadow Street may not create a nuisance for some years to come. This point has been selected as the temporary outlet because there seemed to be no reason at present for incurring the expense of building an intercepting sewer to a point farther down the valley; but surveys have been made and the present work planned so that it will form a part of a system to be completed in the future.

It has been estimated that by building a sewer on the north side of the Brook, about 90 per cent of the sewage entering it may be intercepted. This leaves the south side to be provided for at some future time, with the exception of the Park and Granger Street sewer, which may be taken across the Brook. The additional cost of providing a sewer on the north side large enough for the whole valley, if put at interest, will in time provide sufficient capital to build a sewer on the south side. With interest at 4 per cent \$1 now saved will permit the expenditure of \$2 at the end of 17 years, \$3 at the end of 28 years, \$4 at the end of 35½ years, \$5 at the end of 41 years.

Proposals for building the sewer were opened July 12. The contract has not been awarded. (See Table No. 2).

It may be said that the taking of lands should be accomplished at the minimum cost; that is, before improvements are made by the owners. The public improvement of them may then be made as slowly or as rapidly as the public may require. If the lands are not taken, then improvements and encroachments will be made by the owners. They may be seen on the East Creek at West Street. Two remarkable instances may be observed on the Moon Brook at Strongs Avenue,

Table No. 2. Rutland, Vt., June 12, 1896. CANVASS OF PROPOSALS FOR MOON BROOK SEWER.

ITEMS.	AVER. CUT.	QUANTITIES.	S. W. Frescoln Reading, Pa.	P. F. Brennan N. Y. City.	John Walker Newmarket, N. H.	Frank L. Allen Worcester, Mass.	J. Dorman & D. J. O'Mahoney, Lawrence, Mass.
Trench for 1' 10" x 2' 9" brick...	7.3'	2,200 l. ft.	78 1,716 00	1 00 2,200 00	75 1,650 00	85 1,870 00	1 20 2,640 00
Trench for 18" pipe.....	7.0'	3,500 l. ft.	63 2,205 00	50 1,750 00	55 1,925 00	85 2,975 00	1 45 5,075 00
Trench for 15" pipe.....	6.8'	350 l. ft.	51 178 50	50 175 00	45 157 50	50 175 00	1 00 350 00
Trench for 8" pipe.....	14.3'	60 l. ft.	1 60 96 00	1 00 60 00	1 25 75 00	1 50 90 00	1 95 57 00
Trench for 12" pipe.....	11.4'	12 l. ft.	1 27 15 34	1 00 12 00	1 95 11 40	1 00 12 00	1 00 12 00
Brick, American cement.....		100 c. y.	11 00 1,100 00	13 00 1,300 00	11 50 1,150 00	13 00 1,300 00	15 75 1,575 00
Brick, Portland cement.....		200 c. y.	13 00 2,600 00	14 00 2,800 00	13 25 2,650 00	15 50 3,100 00	17 75 3,550 00
Concrete, American cement.....		300 c. y.	5 50 1,650 00	5 00 1,500 00	6 50 1,950 00	5 00 1,500 00	7 00 2,100 00
Concrete, Portland cement.....		300 c. y.	7 00 2,100 00	7 00 2,100 00	8 50 2,550 00	7 00 2,100 00	9 00 2,700 00
Rubble, American cement.....		20 c. y.	6 00 120 00	5 00 100 00	7 00 140 00	5 00 100 00	6 25 125 00
Laying 18" inch pipe.....		1,800 l. ft.	21 378 00	15 270 00	25 450 00	25 450 00	27 486 00
Same with gasket.....		1,700 l. ft.	21 357 00	20 340 00	28 476 00	25 425 00	37 639 00
Laying 15" pipe.....		300 l. ft.	21 63 00	15 45 00	20 60 00	20 60 00	27 81 00
Same with gasket.....		50 l. ft.	21 10 50	20 10 00	23 11 50	20 10 00	35 17 50
Laying 8" pipe.....		60 l. ft.	20 12 00	10 6 00	20 12 00	10 6 00	15 9 00
Laying 12" pipe.....		12 l. ft.	.....	15 1 80	20 2 40	15 1 80	25 3 00
Laying sub-drains.....		6,400 l. ft.	175 1,120 00	25 1,600 00	20 1,280 00	25 1,600 00	48 3,072 00
Excav'n outside of sewer trench.....		300 c. y.	1 00 300 00	45 135 00	70 210 00	50 150 00	1 00 300 00
Embankment to cover sewer.....		400 c. y.	50 200 00	50 200 00	40 160 00	25 100 00	1 00 00 00
			\$14,221 24	\$14,604 80	\$14,920 80	\$16,024 80	\$23,181 50

Material: Sand, clay silt. NOTE.—City furnishes pipe, specials, ironwork and cloth. The contractor furnishes other material and labor. Sub-drains 4" to 6" in diameter, surrounded with screened gravel covered with jute bagging, are laid under the sewer. Contract not awarded.

where the walls to support two buildings have been placed upon unstable foundations, immediately upon the bank of the stream. Inevitable loss is sure to follow, either to the owners of property on account of freshets, or to the City from litigation.

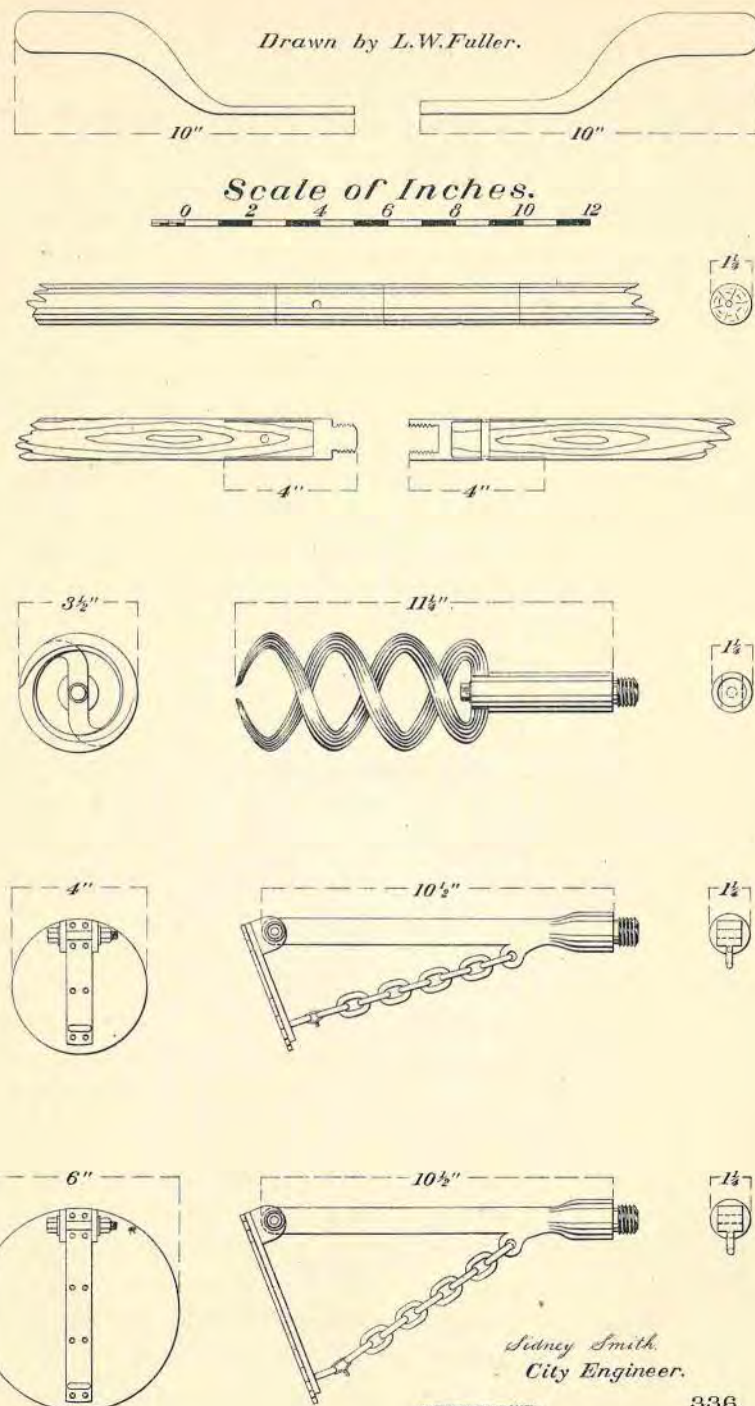
#### TOOLS FOR SEWER WORK.

(See Illustration.)

Drawing No. 336, shows tools for use in sewer-work. At the top of the illustration are two forms of Hodgson's Cement Rammers, which are used to force mortar into the joints of pipe sewers. They are made with the jig-saw from hardwood planks  $1\frac{1}{4}$  or 2 inches thick. The blade of the smaller one is  $\frac{1}{4}$  inch thick, the larger one  $\frac{3}{8}$  inch thick. These two sizes are used on pipes from 6 to 30 inches in diameter.

The joint used on sewer rods is shown in plan and section. It is made of brass in two parts, which are screwed together when in use. The rods are made of well seasoned ash,  $1\frac{1}{4}$  inches in diameter, each fitted with brass connection, so that they may be joined each to any other to form a continuous rod of any desired length. They are used, together with the tools shown below them, to remove obstructions and for cleansing sewers. The lengths usually used for clearing house-drains are two and three feet. Rods four and five feet in length are found more convenient for clearing sewers. The set owned by the City was made by George F. Brown.

The worm shown below the rods is like an enlarged double cork-screw or the worm used upon a rod for the removal of a charge from a gun. It is of half inch round steel, tapered, fastened to a shank  $1\frac{1}{4}$  inches in diameter, fitted with the same screw that is used on the sewer rod joint.



Two sizes of sewer hoes are shown on the bottom of the page. They differ only in diameter of the circular steel disks, one of which is 4 and the other 6 inches. These are attached by a bolt to an iron shank  $\frac{3}{4}$  inch square, one end of which is upset and made  $1\frac{1}{4}$  inches in diameter with a screw to fit the sewer rod joint. When in use the disk lies in the sewer nearly parallel with the shank while the hoe and rod are forced into the sewer. When the instrument is moved in the opposite direction the disk drops as far as the chain will allow and acts as a hoe, scraping any deposit from the bottom of the sewer. Should the load upon it be too heavy for the workmen to remove, the wire link of the chain will break, thus releasing the disk and allowing the hoe to be removed. Only one part of small wire should be used in repairing the chain, otherwise the tool may be left in the sewer. The hoes were made by the Coolidge Cycle Co.

## RECORD OF SEWER CONSTRUCTION IN 1896.

SEWER.		SUB-DRAIN.	
Diam. inches.	Length. feet.	Diam. inches.	Length. feet.
20 by 30.....	42.....		
24.....	20.....		
18.....	10.....		
12.....	111.....		
10.....	315.....	4	315
8.....	236.....		
6.....	81.....		

Total.....815.....315

Total length of sewers Jan. 9, 1896.....107,460 feet.

Total length of sewers constructed in 1896.... 815 feet.

108,275 feet.

Total length of sewers abandoned in 1896.... 3,238 feet.

Total length of sewers Jan. 1, 1897.....105,037 feet.

## STREETS.

Many of the streets in Rutland had received but slight attention for several years. They had become

rutted to such an extent that rainwater ran lengthwise of the road instead of being turned into the gutters. The attention of the Street Commissioners was called to this matter and extensive repairs have been made this year with the road machine and roller. Attention has also been given to the preparation of ditches in the autumn, so that the spring rains will do less damage, an important matter too often neglected.

On another page is a table of the streets which have been repaired with crushed stone. While such repairs make the surface much better than before, these streets should not be considered as macadamized, for but little attention was given to the drainage, preparation of foundation, trueness of grades or uniformity of section, matters which affect the permanence of the work; the neglect of which lessens the durability of the road.

Take Washington Street as an example. According to Village Records this street was "covered" with crushed stone from Merchants Row to Pleasant Street, "about 10 inches in depth on the average," in 1888. In this year, 1896, extensive repairs have been made, costing about \$237, covering 1,110 square yards, or about one-third of the surface of the roadway, to a depth of about  $4\frac{1}{4}$  inches on the average. The cost of these repairs is 21 4-10 cents per square yard. Distributed over 8 years the annual cost per square yard is 2 7-10 cents. Taking the whole area of the roadway as 3,745 square yards, and assuming that no repairs have been made on this street since 1888, the annual cost per square yard is 8-10 of a cent. The vertical wear in 8 years was about 7-10 of an inch per year.

A road in Belmont, Mass., which had been macadamized and without repairs for about 15 years was repaired with "trap rock, shipped about thirty miles by rail, and hauled one and one-half miles over the road." The

cost of the work was 25 cents per square yard. This amount averaged over the time since the road was built, shows the annual cost for repairs to have been 6-10 of a cent per square yard." The amount of vertical wear per year was about one-seventh of an inch. (See report of the Highway Commission of Mass., 1893).

Why should the vertical wear be five times as great on the street in Rutland as on the street in Belmont? Why should the annual repairs cost only three-quarters as much in Belmont (with imported stone) as in Rutland? Both questions are answered by comparing the quality of the stone and the methods employed. It is the difference between trap and limestone, between macadamizing and "covering." It is not a question of the expenditure of a few cents. There are in Rutland about 72,500 square yards of roadway treated with crushed stone. If 2-10 cents may be saved per square yard on this area, the annual saving will be \$145. This amount may be considered as a fixed charge for interest at 4 per cent on \$3,625. It would be economical, therefore, to borrow \$3,600 and make the annual saving, because the road would be better and the periods between repairs and consequent interruption to travel twice as long.

Such consideration led to the preparation of instructions for roadmaking published in the Rutland Herald Nov. 25, 1896. But these did not cover a change in quality of stone; they were intended to obtain the best results with the stone of the City quarry. Copies have been sent to many of the road builders in the state.

The state highway tax of 1896 is \$86,899.88, contributed by 246 towns having 14,679 miles of roads. Five towns which have 2.53 per cent of the roads con-

tribute 19.38 per cent of the tax, \$16,846.96, and receive from the state \$2,196.32. Fourteen towns having 7.32 per cent of the roads, contribute 33.75 per cent of the tax, \$29,323.24 and receive \$6,357.88. The town which contributes the largest amount to the state tax also spends a larger amount per mile annually upon its roads than any other town in the state. This shows that the richer towns appreciate the benefits of better roads and that they are willing to pay for them. (See Vermont Highway Commission, 1896.)

In other states the highway commissions are continuous bodies, having advisory or limited control over the state highway funds. At the request of the Senator and Representative from Rutland, the City Engineer made several studies for laws to continue the state highway commission. No legislation was passed, however, and the state highway commission of 1896 expired by limitation.

#### STREET LINES AND GRADES.

May 18, a report was given to the Aldermen on the survey of Main Street. Copies were sent to the abutters.

The record of June 3, 1818, describes the line as straight and marked by rocks at the extremities. Both had been partially removed. Points at Woodstock Ave. and at Killington Ave. had been used for many years by the local surveyers and proved to be good for the southern portion of the street. North of Woodstock Ave. the monuments and fences indicate that the original survey, by compass, gradually diverged to the east, so that the northeast corner of the Dunklee Maid's house (which had been taken as on the west line in many surveys) is 2.18 feet too far east and the north end of the street 29.5 feet too far east.

The survey for this street, about four miles long, was platted and submitted to the Street Commissioners, who unanimously adopted the lines, as follows:—

The south end is straight to the north side of Woodstock Ave, where an angle of 2 minutes and 26 seconds is turned to the east. Thence the line is straight to the northeast corner of the Dunklee Maid's house which is on the west side of the street. Here a second angle is turned to the east, 17 minutes and 31 seconds. Thence the line is straight to the north line of the city, its extension passing through the remnant of the old rock which formerly had a "notch" to mark the line. All this work was necessary to make certain that the result should be the best obtainable.

Points marking the line have been set the entire length of the street. Distances have been taken to the fronts of all the houses so that there is small danger that the line may be lost again. From Woodstock Ave. to the north line further details have been taken to study the establishment of grades and macadamizing the roadway. The cost of extending the present form of curbing and roadway from Woodstock Ave. to Temple Street has been estimated at \$8,800. From Temple Street to North Street \$13,430.

The conditions north of Woodstock Ave. are not favorable to the extension of a single roadway. The difference in height between the sidewalks varies from 3½ to 13 feet. In other cities similar conditions have been met by dividing the roadway, omitting the curbing in residence streets and parking the spaces between the roadways and street railway. This makes the roadway accessible to the abutters and lessens the cost. With this method the above portions are estimated to cost, respectively, \$4,800 and \$8,270.

Surveys have been made for determining the lines and grades of other streets (see table on another page) ordered by the Aldermen. The amount of work entailed by the absence of records may be gathered by a single instance. On Washington Street, from Main Street to Merchants Row, the deeds of each lot were looked up in the Clerk's office. But one of the whole number gave a depth of the lot. Upward of 1,200 measurements, aggregating nearly 19,000 feet, have been taken and platted. In this and similar work about 2,500 deeds have been examined and 515 deeds have been abstracted.

Street lines and grades have been called for by the owners of twenty-one estates.

## SURVEYS MADE IN 1896.

LOCATION.	FROM	TO	FEET.
Baxter St.....	Rutland R. R....	N line of Cain F <sup>rm</sup>	5,000
Bellevue Ave.....	Woodstock Ave..	Temple St.....	1,050
Cleveland Ave.....	Rutland R. R....	State St .....	600
Cleveland Ave.....	Library Ave.....	326 feet N.....	326
Court St.....	Washington St..	West St.....	900
Cramton Ave.....	West St.....	410 ft. N. of State St	1,307
East Washington St.	Main St .....	2,500 feet East...	2,500
Evelyn St.....	Freight St.....	Merchants Row....	450
Evergreen Ave.....	Columbian Ave..	2,380 feet North...	2,380
Freight St.....	Union St.....	West St.....	700
Grant Ave .....	Elm St.....	Nichols St .....	700
Grove St....	West St....	170 ft. N. of Oak St.	4,500
Harrison Ave.....	Library Ave.....	Park Ave .....	630
Hazle Ave .....	405 ft. S. of State.	1,711 N. of State St.	2,116
Lafayette St.....	Killington Ave..	East Center St....	1,100
Madison St.....	Strong's Ave.....	Main St.....	1,300
Main St.....	Clarendon Road..	North City Line...	20,856
Meadow St.....	West St.....	700 feet South....	700
Merchants Row....	Evelyn St.....	West St.....	450
Moon Brook Sewer..	Outlet Tr <sup>nk</sup> sewer	East City Line....	25,593
Nichols St....	West St.....	Library Ave.....	1,800
Nickwacket St....	Washington St..	Center St.....	450
Pierpoint Ave .....	State St.....	974 feet North....	974
Pine St.....	West St.....	Tunnel.....	120
Pleasant St.....	Madison St.....	Washington St....	850
Prospect St.....	Strong's Ave.....	Washington St....	1,200
Roberts Ave.....	Church St....	Main St.....	1,600
Royce St.....	Strong's Ave..	Main St.....	1,000
State St.....	Cleveland Ave...	Cramton Ave.....	2,410
Temple St.....	Main St.....	Woodstock Ave...	3,700
Union St.....	Forest St.....	Freight St.....	650
Washington St....	Strong's Ave.....	Main St.....	1,850
Watkins Ave.....	West St.....	2,532 ft. North....	2,532
West St.....	Rutland R. R....	900 feet West.....	900
Willow St.....	Wales St.....	Edson St .....	450
Total.....			93,734

A total distance of seventeen and three-quarter miles.

On nearly all of the above streets the lines and levels have been taken. On a large part of them the positions of houses have been located and notes of other details taken. Some of the surveys are complete, showing all the details, dimensions of houses, etc. The completed surveys, those which show position of houses, to-

gether with those which required study for special structures have been platted. The natural drainage areas of sewerage and drainage districts have been determined by personal inspection, platted and their acreage computed.

#### STREETS AND ROADS IN THE CITY OF RUTLAND.

Tar concrete sidewalks built in 1896, thickness 3 in..	300 sq. yds.
“ recoverings built in 1896 .....	84 “
“ gutters built in 1896 .....	181 “
Total ... ..	565 sq. yds.

#### STREETS AND ROADS REPAIRED WITH MACADAM IN 1896.

Streets.	From	To	Thick- ness, inches.	Length feet.	Width feet.	Sq. yds.
Washington...	Wales.....	Prospect .....	4½	463	21 5	1,110
Wash'ton Ex. Main .....		East.....	6	880	23 0	2,225
Woodstock av .....	Main .....	400 feet east of Lafayette.	3	1,722	7 0	1,380
Woodstock av .....	885 feet west of Temple .....	110 feet east of Temple....	7	995	22 0	2,432
				4,060		7,147

#### SUMMARY.

	Feet.	Miles.	Miles.
Earth roadways in 1894.....	217,346	41.16	
Macadamized in 1895.....	7,351	1.39	
Earth roadways Dec. 31, 1895.....	209,995		39.77
Macadam roadways in 1894.....	19,252	3.65	
Macadam in 1895.....	7,351	1.39	
Macadam roadways Dec. 31, 1896.....	26,603		5.04
Tar concrete roadways Dec. 31, 1896.....	1,900		.36
Total miles Dec. 31, 1896.....			45.17

#### WATER WORKS.

During the winter of 1894-95 water in the 8-inch main in West Street, near Cramton Ave., and thence to the west line of the city, was frozen to such an extent that 319 feet of the cast iron pipes were removed. To prevent a recurrence of this difficulty the Board of Aldermen authorized the Committee on Water to build a sewer in the Kelly Road, from West Street to Otter Creek, through which the water from the main could



flow continuously during cold weather, thus preventing freezing by keeping the water in circulation. The pipe was purchased and the City Engineer was asked to give lines and grade for building the sewer.

The Kelly Road is the only existing public way in which an outlet could be built from a large sewerage district. There is at present only a very small population situated on a gravelly soil as indicated by borings, gravel pits, etc.; therefore there is no demand for sewerage. Some portions of this district are of a silty formation, in which the ground water is retained near the surface. To make these lands suitable for habitation the ground water should be lowered. Therefore a sub-drain should be placed under the sewer when the outlet is constructed.

The above considerations led the City Engineer to suggest that a small flow from the hydrant branch in the Kelly Road into a well which should be deep enough to penetrate the porous material would furnish sufficient circulation to prevent freezing in the main water pipe, thus saving the cost of the sewer.

Under the direction of the Superintendent of Water Works, Mr. Joseph M. Davis, a sheet steel curb, 12 inches in diameter, was sunk to a depth of 30 feet, at which point a boulder or ledge was encountered. The sand was removed with a 6-inch stove-pipe pump and the hydrant branch connected with the well by a  $\frac{3}{4}$ -inch pipe, provided with a valve. During cold weather the valve is opened and the water allowed to flow continuously. In the winter of 1895-96 and until the time of writing, the difficulty of freezing in the 8 inch water main has thus been obviated.

The total cost of this work was \$94.07. An 8-inch sewer to accomplish the same purpose would have cost about \$1,200.

## RETAINING WALL AT HEAD.

The freshet of 1885 damaged the land near the filtering gallery at the intake on the East Creek. Repairs were made in that year and a cobble stone wall laid without mortar, at an expense of \$660. Subsequent freshets have occasioned small repairs. The freshet of 1896 carried out a portion of this cobble wall. In July a preliminary survey was made from the lower end of the City lands to about 400 feet above the junction of the Chittenden and Mendon branches.

The area of the watershed above the intake was computed from the United States Geological and other maps to be about 42 square miles. The streams flow from a mountainous region, rising and falling rapidly, pouring the water by the intake with great velocity in times of freshet, while in the dry season the Creek is fordable. Computations, based on Fanning's formula, indicate that the minimum flow may be about  $5\frac{1}{2}$  cubic feet per second, while the freshet flow is estimated to be about 4,450 cubic feet per second. The slope of the channel near the waterworks is  $1\frac{1}{2}$  feet per 100. The plan showed that the channel had become contracted in front of the wall. Therefore, a general plan was made to enlarge the channel on the side opposite the wall and to build a wall from the Mendon branch to the lower end of the property, following the direction of the stream.

Owing to the financial condition, it was determined to build only the portion which had fallen completely and make some repairs on the remainder during the present season. The contract to build this portion, about 150 feet in length, was let to Willis, Young & Creed September 16. Prices were obtained for quarried stone masonry. Suitable stone could not be found within a reasonable distance, and as a portion of the old wall could be re-inforced with concrete, the new construction is all of concrete. (See Table No. 3).



Rutland, Vt., Sept. 7, 1896. CANVASS OF PROPOSALS FOR EXCAVATING CHANNEL AND BUILDING  
Table No. 3. WALL AT WATER WORKS HEAD.

Items.	Quantities.	Willis, Young & Creed, Rutland, Vt.	D. & J. Betts, Rutland, Vt.
Trench for Retaining Wall .....	150 l. ft. ....	\$.....\$ 200 00	\$ 2 75.....\$ 412 50
Excavation below sub-grade of wall.....	40 c. y. ....	1 25 ..... 50 00	2 25..... 90 00
Excavation for channel.....	410 c. y. ....	95 ..... 389 50	2 00..... 820 00
Concrete masonry, American cement.....	40 c. y. ....	4 87..... 194 80	6 50..... 260 00
Concrete masonry, Portland cement.....	270 c. y. ....	6 33 1-3..... 1,710 00	8 00..... 2160 00
		\$ 2,544 30	\$ 3,742 50

The contract was awarded to Willis, Young & Creed, of Rutland, Vt.

The illustrations show the condition and character of the old wall after the freshet, the method used in construction and a general view of the water works, settling basins and surrounding country, with Pico Peak in the distance. They are from photographs by L. W. Fuller.

The excavation of the channel was first made and the stream turned away from the foundation by a temporary dam. But it was still necessary to lay some 6-inch drain under the foundation to remove the water while the masonry was being placed. Where the water was less troublesome the concrete was placed in bags.

The foundation course of the new wall is 6 feet 9 inches thick, one foot in height, made of one part of Hoffman (Rosendale) cement, two parts of sand and five parts of gravel. Above the foundation, the wall is 4 feet 9 inches thick at the bottom, 8 feet 9 inches high, 3 feet thick at the top, with both faces battered, made of concrete with slow setting Portland cement of the Hilton brand, mixed in the above proportions, in which angular fragments of stone were so placed that they did not interfere with thoroughly ramming the concrete. Such fragments add to the weight and strength of the wall, forming about 22.2 per cent of its volume. Wherever the cobble wall was still standing it was re-enforced by concrete with a minimum thickness of one foot, thus saving considerable work while producing a thicker wall than where concrete alone was used. Care was taken to use only sufficient water to moisten the materials, especial attention was given to the ramming and the concrete was kept well moistened after it had set.

Excavation for the channel commenced September 24 and for the wall September 28. The first concrete was placed October 5. The first forms were removed October 19. The Mayor and other City officials expressed satisfaction with the part constructed and, upon



recommendation of the Mayor, the Board of Aldermen voted to extend the work to the lower end of the cobble wall, making the total length 250 feet. The concrete work was finished November 5, the channel and back-filling November 17.

Lines and grades have been given for 0.69 miles of water pipes. Scanty records cause much labor in this work.

#### COURT SQUARE PARK.

Early in the year a second study was made for the Court Square Park. By instructions from the committee the features were made to conform to the lines of lands owned by the City. Some of the abutters had fenced a portion of these lands. The committee were of the opinion that the City could obtain possession only at the end of a long lawsuit. They instructed the Engineer to make a third study with outlines and features harmonizing with the lines upon the ground. This plan has been partially carried out. The grounds are graded and the walks ready to be rolled and finished with crushed stone. So much money was used to purchase filling that no seeding was done on the lawns. Therefore, the ground should be again prepared for seeding. No work was done at the southeast corner of the park, where the plan shows a shelter, which may also serve for a band stand.

#### BRIDGES.

Plans have been made to re-enforce the bridge on Grove Street at Tenny Brook by turning a concrete arch inside the present masonry. Quite an expenditure may be saved if the work is done before the walls fall. They are now braced with timber. Similar work may be done at the Moon and Mussey Brook culverts on Main Street. They are now in a dilapidated condition.

The abutments of the Granger Street Bridge at Moon Brook have been rebuilt, the channel and the bridge widened. When this work was done a portion of the pipe which will take the Granger Street sewer across the Brook was placed under the north abutment.

Some of the decayed wood has been replaced on the River Street Bridge. It was recommended in the reports of 1894 and 1895 that the ironwork of this bridge be painted. An excellent opportunity is presented for doing this work when the flooring is replaced. It is again recommended that all the decayed wood be replaced, that the cap to guard rail post be replaced, the braces brought into tension, the guard rail on the Post Street approach replaced and the ironwork on the whole bridge painted. Some of the mortar has been removed from the masonry by the action of the weather, especially on the west approach. It is recommended that this masonry be pointed with Portland cement.

As stated in the annual reports for the two years, 1894 and 1895, the bolsters and wall plates of the Dorr Bridge are decayed. The rot has extended to the lower chord. The bridge has settled in consequence. It should be raised to its proper position and the rotten timbers replaced. When this is done, precaution should be taken to prevent rain-water from flowing against the timbers where they rest on the stone work. Some of the plank in the roadway should be replaced. The ends of the center pier are cracked and have begun to settle. It is suggested that further destruction may be stopped by driving sheet piling about the pier so as to lengthen the foundation, removing the material with a sand-pump and refilling with concrete. Such work may best be done while the ice enables the workmen to walk about the pier. With the foundation thus secured, the further strengthening of the portion above water may be

delayed until the following summer. Some of the masonry should be pointed.

As stated in previous reports the Kelly Road Bridge is in bad condition. The top chord is so much inclined that the bridge is unsafe. Heavily loaded teams should be prohibited from crossing on the south-westerly side of this bridge. Trotting should be prohibited upon it. Both of the abutments of the West Street Bridge are in bad order causing a settlement in the northwest corner of the bridge. They should be repaired and the bridge brought back into position.

In general the larger bridges are unpainted and present an untidy appearance. If all advertising signs were removed and the bridges painted inside with a light color they would be more presentable.

#### STANDARD OF MEASURE.

In front of City hall two marble posts were set vertically, in concrete pyramids six feet deep, with their tops flush with the sidewalk. On brass bolts, set in the tops of these posts, marks were made 100 feet apart using a steel tape tested on the Boston standard. Several tests of the standard have been made during the last two years with four standard tapes at a temperature of 60° F. and a pull of eight pounds. Tapes may be tested on this standard, their lengths at different temperatures noted and proper allowances made when in use.

#### BASE OF LEVELS.

The few level notes in the office in 1894 pertained largely to the survey for a sewerage system made in 1884 by Albert R. Dow, C. E. For his purpose it sufficed to assume for a base a plane "5 feet below water at junction of Creek, east end Bridge (Dorr Bridge) crossing Otter Creek."

The railroads had levels from tide water, but these lacked verification. The United States Coast and Geodetic Surveys have verified these levels and use for the base a plane taken at the height of the mean sea level. Six topographical sheets only have been made for the State of Vermont, one of which, the Rutland sheet, shows the elevation of this vicinity at intervals of 20 feet. It was contemplated to change the City levels to the government base as soon as possible; but not until the winter of 1895 could the data be obtained. By adding 518 feet to the Dow notes the datum is reduced to mean sea level and elevations thus expressed have a definite geographical meaning.

#### ALTITUDES IN RUTLAND AND VICINITY.

Location.	Elevation above mean sea at Sandy Hook.
Church Street, at Crescent Street . . . . .	592
Dorr Bridge, Otter Creek and River Street . . .	537
Forest Street, at Clarendon & Pittsford R. R. .	545
Forest Street, at School Street . . . . .	538
Grove Street, at Tenny Brook Bridge . . . . .	567
Holly Street, at Locust Street . . . . .	642
Killington Ave., at Moon Brook Bridge . . . .	582
Main Street, at Lincoln Boulevard . . . . .	638
Main Street, at Madison Street . . . . .	626
Main Street, at Moon Brook Bridge . . . . .	543
Main Street, at Rutland R. R. . . . .	570
Main Street, at Tenny Brook Bridge . . . . .	607
Main Street, at Woodstock Ave. . . . .	652
Park Street, at Bennington & Rutland R. R. .	546
Ripley Dam, Otter Creek, 1st below River St . .	523
State Street, at East Creek Bridge . . . . .	551
State Street, at Grove Street . . . . .	572
State Street, at Watkins Ave . . . . .	614

Strong's Ave., at River Street . . . . .	585
Union Depot, at Merchants Row . . . . .	562
West Street, at Cramton Ave. . . . .	569
West Street, at East Creek Bridge . . . . .	541
West Street, at Kelly Road . . . . .	547
West Street, at Main Street . . . . .	645
West Street, at Merchants Row . . . . .	560
Woodstock Ave., at Reservoir . . . . .	700
Woodstock Ave., at Stratton Road . . . . .	675
Waterworks Head, at Lower Basin Gate House .	792
Bald Mountain . . . . .	2,087
East Mountain . . . . .	2,390
Killington Peak. . . . .	4,241
Pico Peak . . . . .	3,967

#### MISCELLANEOUS.

Notwithstanding the large amount of work above enumerated, the work on record plans has steadily progressed. All of the inspection notes, location of specials for house connections, etc., have been platted. The notes for the establishment of lines and grades of streets are platted. There still remains some tracing, lettering and finishing to make these plans complete.

December 31, 1895, the last numbered plan was 197. The last number in the index, December 31, 1896, was 444. A card index of all the plans is nearly completed.

Absorption tests have been made to determine the amount of vitrification in brick and sewer pipe. Sixty-two tests have been made for brick and thirty-five for sewer pipe.

Measurements have been taken of work done on roadways and sidewalks, and estimates of the same have been calculated.

The large amount of work ordered by the Board of Aldermen, changes in matured plans, discharges of subordinates, personal attention to work in the park and to details of repairs of sewers, etc., have made the year a very trying one to this department.

## ACKNOWLEDGEMENTS.

I wish to express my appreciation of the faithful services of the employees of this department. Much valuable information has been given gratuitously by many civil engineers, for which I am very grateful. My thanks are due to the honorable members of the Board of Aldermen and to Mayor Brown for courtesies and forbearance during delays caused by unavoidable hindrances.

Respectfully submitted,

SIDNEY SMITH,

City Engineer.



## REPORT OF THE Superintendent of Streets.

*To the Honorable City Council, Rutland, Vt.:*

GENTLEMEN—As Superintendent of Streets, I transmit herewith the annual report for the year ending December 31, 1896.

Warrants were drawn during the year as follows:

Highways and sidewalks.....	\$21,550 55
Sewers and sewer extension.....	22,813 40
	<u>\$44,363 95</u>
Deduct warrants drawn in 1896 for work and expenditures in 1895.....	8,797 67
Amount expended in 1896.....	<u>\$35,566 28</u>
Moon brook sewer account .....	\$1,608 69
Trunk line sewer No. 2.....	1,343 45
1 snow plow .. .. .	65 00
2 hand carts and equipments.....	100 00
Damages paid Verder and others.....	231 42
1 steel heater.....	40 00
Sewer rods.....	100 00
Labor, highways.....	15,534 49
Labor, sewers and sewer extension.....	7,477 66
Supplies, engineering, etc., on highways...	4,006 02
Supplies, engineering, etc., on sewers.....	5,059 55
	<u><u>-\$35,566 28</u></u>

## LABOR AND SUPPLIES.

Amount expended on highways and sewers as above..	\$32,077 72
Cleaning Merchants Row, Center, Wales and West Streets.....	1,562 88
Ward 1 (including park).....	2,141 17
Ward 2.....	3,010 86
Ward 3.....	1,821 78
Ward 4.....	2,790 88

The large amount of work ordered by the Board of Aldermen, changes in matured plans, discharges of subordinates, personal attention to work in the park and to details of repairs of sewers, etc., have made the year a very trying one to this department.

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Ward 5.....	2,743 58	
Ward 6.....	7,573 09	
Ward 7.....	3,318 91	
Ward 8.....	1,898 25	
Ward 9.....	2,603 17	
Ward 10.....	851 04	
Ward 11.....	1,762 11	<u>\$32,077 72</u>

## WARD 1.

Amount expended, viz.....	\$2,141 17	
Park.....	\$ 954 85	
Woodstock avenue.....	587 75	
Terrill street.....	62 00	
North Main street.....	123 24	
Harrington avenue.....	107 50	
Engineering, sundries.....	139 75	
Cleaning streets, ditches, etc.....	166 08	<u>\$ 2,141 17</u>

## WARD 2.

Expended, highway work.....	\$3,855 57	
Expended, sewers and sewer extension.....	155 29	
		<u>\$3,010 86</u>
Killington avenue.....	\$1,152 57	
Washington street extension.....	528 38	
East street, Engrem avenue, Jackson avenue, So. Main street and Center street extension.....	644 76	
Engineering and sundries.....	300 00	
Cleaning and repairing streets and ditches.....	229 86	
Cleaning and repairing sewers.....	155 29	<u>\$3,010 86</u>

## WARD 3.

Highway work.....	\$1,134 69	
Sewers and sewer extension.....	687 09	
		<u>\$1,821 78</u>
Planking and repairing River street bridge	\$ 282 94	
Repairing Washington street.....	236 98	
Repairing Clover street, Hopkins street, Royce street, Madison street, Pleasant street and Prospect street.....	281 94	
Cleaning streets and ditches.....	215 58	
Engineering and sundries.....	298 15	
Labor, Prospect and Madison street sewers	265 20	
Labor, catch basin near City Hall.....	112 65	
Materials for above, including 236 feet of 8 inch pipe.....	128 34	<u>\$1,821 78</u>

## WARD 4.

Highway work.....	\$ 787 49	
Sewers and sewer extension.....	2,003 39	
		<u>\$2,790 88</u>
Repairs West street.....	\$ 153 00	
Repairs Center and Court streets, side walks, cross walks, etc.....	322 61	
Cleaning streets, ditches.....	211 87	
Repairing sewer, Center street.....	277 45	
100 feet 12 inch pipe.....	26 00	
Patching sewer, West street.....	78 75	
Cement, stone, brick and sand.....	20 00	
Labor, catch basin, north side Center street	98 50	
Labor, catch basin, south side Center street	103 80	
Materials for catch basin.....	76 83	
Labor, Willow street & Wales street sewers	567 53	
111 feet 12 inch pipe.....	28 86	
26 feet 24 inch pipe.....	19 40	
42 feet 20x30 inch pipe, concrete.....	105 00	
10 feet 18 inch pipe.....	5 10	
Cement, brick, sand, gravel, etc., for sewers and castings for 4 manholes and 2 drop inlets.....	232 86	
Engineering and sundries.....	343 51	
Services Superintendent of Streets.....	119 81	<u>\$2,790 88</u>

## WARD 5.

Highway work.....	\$ 971 43	
Sewers and sewer extension.....	1,772 15	
		<u>\$2,743 58</u>
Repairs—Lincoln Boulevard.....	\$ 126 95	
Kingsley avenue.....	32 00	
Library avenue.....	53 50	
Church street.....	63 00	
Roberts avenue.....	79 28	
Chestnut avenue.....	25 62	
Williams street.....	28 37	
Elm street.....	10 62	
Nichols street.....	16 48	
Cleaning streets, ditches, walks, etc.....	416 70	
Repairing trunk line sewer No. 2.....	684 89	
Catch basin, Library avenue and Boulevard	135 89	
Labor connecting sewers, Library avenue..	474 89	
Materials for above, cement, brick, etc., 524 feet 6 inch sewer pipe.....	176 09	
Paving and repairing manholes.....	84 96	
Engineering and sundries.....	234 84	
Services Superintendent of Streets.....	100 00	<u>\$2,743 58</u>

## WARD 6.

Highway work.....	\$2,287 92
Sewers and sewer extension.....	5,285 14
	<u>\$7,573 09</u>
Park avenue, cutting down hill, building sidewalks, steps, etc.....	\$ 949 68
Water street.....	255 86
Pine street, Maple street, Summer street...	232 56
Library avenue, Robbins street, Cleveland avenue.....	213 50
State street, Baxter street and No. Grove street.....	180 30
Engineering and sundries.....	140 95
Cleaning streets, catch basin, ditches, etc..	306 10
Building 9 catch basins....	1,027 36
Stone, brick, cement, castings and curbing	432 86
Connecting sewers, Pine and Robbins streets and Library avenue.....	1,757 68
2527 feet 6 inch pipe.....	252 70
Brick, cement, sand, etc.....	176 06
Harrison avenue sewer.....	337 20
315 feet 10 inch pipe.....	63 00
315 feet 4 inch pipe (underdrain).....	18 90
Cement, brick and manhole casting.....	22 50
Sewer, No. Grove street.....	39 75
Pipe and sundries, No. Grove street.....	11 10
Paving and repairing manholes....	247 49
Gravel, tools, repairing sewers and sundries	304 49
Engineering, etc.....	494 05
Salary Superintendent.....	100 00— \$7,573 09

## WARD 7.

Highways and sidewalks.....	\$2,219 45
Sewers and sewer extension.....	1,099 45
	<u>\$3,318 91</u>
Painting foot bridge and paint.....	\$ 309 84
Side walks, Grove and West streets.....	351 95
Forest street.....	94 82
West street.....	83 50
Repairing Forest street.....	123 22
Meadow street.....	267 93
Convent avenue.....	108 46
Franklin street.....	93 29
School street.....	34 22
Brown and Cherry streets.....	94 32
West street.....	121 78
Engineering and sundries.....	259 63

Cleaning streets, sewers, etc.....	296 43
2 catch basins and 1 drop inlet.....	317 07
Castings, material and curbing for sewers.	80 38
Connecting sewers, Meadow street.....	26 42
Building dike, East creek....	356 70
Building manhole at outlet of underdrain at East creek.....	66 81
Cleaning sewer, Meadow street to East creek	78 00
Engineering and sundries.....	144 14— \$3,318 91

## WARD 8.

Highways and sidewalks.....	\$1,106 76
Sewers and sewer extension.....	791 49
	<u>\$1,898 25</u>
River street.....	\$ 176 88
Spruce street....	66 39
Granger street....	106 28
Forest street.....	175 33
South street.....	106 84
Sundries, gravel, etc.....	145 16
Engineering, etc.....	100 00
Cleaning streets.....	229 88
Building 4 manholes, River street.....	214 41
Cement, brick, sand and castings.....	75 00
Repairing sewer on Spruce street.....	89 99
Connecting sewers, River and Spruce streets	68 75
Repairing sewer, Forest street.....	66 67
Work, River street, changing sewer.....	108 37
Engineering and sundries....	168 30— \$1,898 25

## WARD 9.

Highways and sidewalks.....	\$2,116 25
Sewers and sewer extension.....	486 92
	<u>\$2,603 17</u>
Lincoln Boulevard.....	\$ 675 85
Crescent street.....	128 50
No. Main street....	162 73
High street.....	31 70
No. Grove street.....	142 87
Field avenue.....	64 13
Culvert on Crescent street.....	94 86
North street.....	163 80
Church street.....	26 93
Pearl street.....	31 26
Repairing school lot.....	38 92
Engineering and sundries.....	253 35
Cleaning streets, ditches, etc.....	301 35

Paving and repairing manholes.....	82	50
Connecting sewers, Crescent street....	139	75
Repairing sewers, No. Grove, Pearl and North streets.....	96	43
Repairing sewer, Boulevard.....	43	21
Engineering and sundries .....	125	03— \$2,603 17

## WARD 10.

Highway work.....	\$	594	75
Sewer extension .....		256	29
	\$	851	04

Highway west of Dorr bridge.....	118	75
Highway, West street.....	168	46
Highway, Cramton avenue and Watkins St.	66	82
Highway, Evergreen avenue.....	43	20
Cleaning streets, etc.....	108	43
Engineering services, sewers and highways	345	38— \$ 851 04

## WARD 11.

Highway work.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
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## HIGHWAYS AND BRIDGES.

No permanent work being ordered by the City Council it was thought best by the Committee on Streets not to start the stone crusher in the spring, but that most of the work to be done during the year should be done with the road machine and road roller. In the above report giving the amount expended in the different wards, about all the work done on the different streets was done in accordance with the wishes and orders of said Committee. I will only mention a few streets where the largest amounts have been expended: In Ward 1, on

Woodstock Avenue, the greatest expense was incurred by repairing the hill beyond the reservoir. This hill was in very bad shape, and the travel being very large, an effort was made by those using the highway to have the City indicted. The Committee on Streets after looking into the matter fully, decided that the cheapest way to repair said hill was to spread crushed stone upon the top of the road and thoroughly roll it. This work cannot be called a permanent roadway, as no steps were taken to under-drain and carry out the required specifications for a permanent roadway. It will, however, answer the purpose for which it is designed for some time to come. In Ward 2, Killington Avenue, by the aid of the road machine and steam roller, was put in as fine shape as possible, from South Main Street to the City limit. All the large stones were taken out, the road straightened, and a new bridge built across Moon Brook. Washington Street extension was also repaired by the use of crushed stone, from South Main to East Streets. The crushed stone was spread upon the top of the ground and thoroughly rolled. In Ward 3, Washington street was repaired from Wales to Court Street with crushed stone. Several years ago this portion of Washington Street was built with crushed stone, but was badly gullied in the center of the street and repairs were greatly needed. It is now in fine shape and should last for a long time. In addition to above, River Street Bridge has been planked from the west side to the center of said bridge, with four inch plank, and the center piece in said bridge has been removed, which is a great improvement. At the present time plank has been delivered to plank the remainder of the bridge, and this will be done immediately. In Ward 6 extensive repairs have been made upon Park Avenue, cutting down the steep hill at the west end and replacing the sidewalk and repairing the

lawns accordingly. A short piece of concrete sidewalk has been built in Summer Street near State Street. In Ward 7 the foot bridge running over the railroad track has been painted. This was needed badly as the iron was beginning to rust. It should receive another coat of paint during the coming year. Sidewalks in said ward have been built as follows: On Grove street, from the corner of West north to the property of George E. Royce. Sidewalks have also been built and repaired in Forest and West Streets. In Ward 9, Lincoln Boulevard was thoroughly repaired north of North street at the crossing of Tenney Brook, the road being raised about two feet; also north of Field Avenue the road was raised 12 inches for a number of rods. A culvert was built on Crescent Street between the Boulevard and North Main Street, a 12-inch pipe being laid in 6 inches of concrete and the ends properly protected. In Ward 11 a new bridge was built on Granger Street across Moon Brook. New abutments were built nearly the full width of the road. The northeast corner of the abutment to the bridge on South Main Street crossing Mussey Brook was undermined, but it has been repaired temporarily. Sooner or later a new bridge must be erected at this place.

The amount expended in cleaning and repairing the streets this year has been unusually large owing to the severe rainstorms at different times during the summer. Heretofore Merchants Row, Center and West Streets have been cleaned during the night by sweeping and flushing. The former was very disagreeable, as the stores and hotels were penetrated by the dust, while the latter filled the sewers to such an extent they were unable to carry off the refuse deposited. On consultation with the Engineer and Committee on Streets it was thought best to dispose of the droppings of the horses as

quickly as possible by the push cart patrol system, which has been adopted and carried out during the present season, thereby removing the larger portion of the dirt. The improved condition of these streets under this method has been a subject of favorable comment not only by the abutters, but by many visitors to the city.

I would also call the attention of our citizens to the disposal of ashes and garbage. At the present time the gutters, catch-basins and wells are being used (by whom we know not) as a receptacle for rotten and tainted meat, fish, etc., rendering them obnoxious and causing stoppages in the sewers. The remedy adopted in other cities is to place this matter in the hands of the Street Department with authority to make such regulations as may be necessary.

#### SEWERS AND SEWER EXTENSIONS.

In Ward 3, a new sewer was built in the center of Prospect Street, from the property of M. Stearns to the center of Madison, at which point a manhole was built; then a sewer from said manhole about one hundred feet to the west, connecting with the old sewer in said street. This was rendered necessary by the failure of the old plank sewer built there in 1881. A catch-basin was built on the south side of Washington Street near the City Hall. Heretofore, after every rainstorm a large amount of water remained in the street at that point, rendering it almost impassable for walking. Since the catch-basin was built there has been no trouble. The severe rains of last summer played terrible havoc with the sewers on Center Street, rendering a large amount of repairs necessary. On the north side of Center street the old stone sewer was taken up and replaced with 12-inch pipe for about seventy feet. On the south side of Center Street the old sewer was taken up in front of Mr.

Hoag's bakery and replaced with 30 feet of 12-inch pipe. Two catch-basins have been built in Center Street, one in front of the Savings Bank building and one in front of the Tuttle Company's building. These were deemed necessary as the surface water during rain-storms was undermining the sidewalks in that vicinity as well as the foundations of the buildings. The stone sewer in Willow Street has given our city each year a good deal of trouble. Upon looking the matter over carefully with the Committee on Streets and the City Engineer it was decided to repair said sewer permanently. The old stone sewer crossing Willow Street was taken out and a concrete pipe sewer, twenty by thirty, was built from the sewer south side of Willow Street to a new manhole in the center of said street. The 10-inch sewer from West Street to Willow Street was extended 10 feet to a new manhole built in the center of the street, and from this manhole a 24-inch pipe runs westerly to the first manhole mentioned. The 12-inch sewer pipe running from the old well on Wales Street west to the old stone sewer on Willow Street was laid under the sidewalk. An examination showed it to be worthless. Therefore it was abandoned and a new 12-inch sewer was laid from the east manhole on Willow Street to a new manhole built in the center of Wales Street about one hundred feet in length. In making the connection from the manhole on Wales Street to the old well on said street, it was found necessary to build another manhole in place of the old well, the latter having collapsed. Two new drop inlets or wells were built, one on the north side of Willow Street near the blacksmith shop of John Welch, the other on the south side of said street near the livery stable of W. Barker. The old stone sewer on the south side of West Street, from Court Square to Wales Street, is in very bad condition. Considerable money has been

expended upon the same during the past year, and it will continue to be a source of great expense to the city, as it is not large enough. Every freshet undermines it more or less, and it should be abandoned and a new 18-inch sewer laid in the center of the street. Ward 5. Last winter some of the pipe in Trunk Line Sewer No. 2 was discovered to be cracked, and during the months of February and March the cracked pipe was replaced by good pipe and laid in concrete. For explanation of this pipe I would refer you to the report of our City Engineer. The houses on Library Avenue, between Church Street and the Boulevard, have been connected with the new sewer, as the old sewer was very near the surface of the ground and badly broken in some places. The expense of so doing was borne by the City from the sewer to the street line, the balance from the street line is to be paid by the owners of the houses. A catch-basin has been built at the corner of Library Avenue and Lincoln Boulevard, and all the manholes in the ward have been paved and repaired. Ward 6. The houses on Pine Street, Robbins Street and Library Avenue, west of Grove Street, have all been connected with the new sewers recently laid, the city paying the expense from the sewer to the street line, the balance to be paid by the owners of the property connected. Nine catch-basins have been built, four of them being on Pine Street, four on Library Avenue and one on Robbins Street. All the manholes in this ward have been repaired and paved. A new sewer has been built in Harrison Avenue, from Library Avenue north to a new manhole where the new sewer connects with the old. This required about 315 feet of 10-inch pipe and the same amount of 4-inch pipe for the under drain. The sewer on North Grove Street was extended south to the new residence of Mrs. Tremaine on said street, requiring about 50 feet of 6-inch

pipe. Connections have not yet been made with the new sewer on Harrison Avenue, as the owners of the property were unwilling to have the connections made at the time the sewer was built. Ward 7. Two catch-basins have been built, one at the corner of Meadow and West Streets, the other on Meadow Street opposite the west end of School Street. A drop inlet was also built on the east side of Meadow Street near the corner of School Street, and connected with the catch-basin opposite. The outlet to the catch-basin is into the old sewer running from Meadow Street to the East Creek. This old sewer has been cleaned thoroughly and a manhole placed over it at the intersection of the outlet from the catch-basin into said sewer. The sub-drain under Trunk Sewer No. 2 discharges into East Creek. The freshets of last spring completely covered its outlet. The sand and gravel was removed, and a manhole has been built over said outlet, also a dike from said manhole north to the abutment of the State Street Bridge. This should protect the outlet from the under drain in the future from all freshets. During the past season the 8-inch pipe of which this under drain is built, has been and is discharging its full capacity. Ward 8. Very little sewer work has been done in this ward, but a large amount is necessary. Four manholes were built at various points on River Street, and sewers in various portions of the ward have been repaired. The main sewer running from River Street through private property to Franklin Street is in very bad shape and something must be done with it. In this matter I would refer you to the report of the City Engineer. Keeping the sewers in this ward flushed out and repairing same has been an item of large expense. Ward 9. All the manholes in this ward have been paved and repaired and the Bates sewer so-called, running from North Main Street, has been con-

nected with the Trunk Line Sewer on Crescent Street. No new sewers have been built during the year. Ward 10. No sewer work has been done, but the streets have been surveyed by our City Engineer for sewer purposes. Ward 11. No sewer work has been done save to occasionally flush out one or more of the old sewers, which has gone to the highway account.

I cannot close this report without calling your attention to the condition of Grove Street, from West Street to Library Avenue. No public sewers are laid in this street, although it is one of the oldest streets in our City. The houses upon this street are mostly connected with private sewers running in the rear. And a good deal of trouble results from them. We have had to flush them out several times, and it seems to do but little good. In fact there are so many places in our city where sewers are badly needed it is difficult to discriminate. The number of laborers employed by your Superintendent the past season is 253. The number of days work exceed 6,000. It has been my endeavor to divide this labor as equitably as was possible under the circumstances. So many men being out of work the past season has rendered it very difficult to satisfy all the applications for work.

Respectfully submitted,

JOHN A. SHELDON,

Superintendent of Streets.

## REPORT OF THE COMMITTEE ON

# Water Department.

*To the Honorable City Council:*

GENTLEMEN—In compliance with Chapter XXI. of the City Ordinances, your Committee on Water Department herewith present their report for the year ending December 31st, 1896:

### NEW HEAD.

There has been a large retaining wall erected parallel with the stream, a distance of about 250 feet, to protect the banks from washing away, at an expense of about \$2,850; and we have also purchased the Davis and the Allen places, at a cost of \$512.50, for the purpose of controlling the water shed north of the reservoir, and we would recommend that one or two others be controlled by the city as soon as possible; also that a new barn be erected the next season.

### EXTENSION OF WATER SYSTEM.

Baxter Street . . . . .	393 feet 6 inch pipe.
Cleveland avenue . . . . .	93 feet 4 inch pipe.
East Washington Street . . . . .	154 feet 6 inch pipe.
Engrem Avenue . . . . .	132 feet 4 inch pipe.
Lafayette Street. . . . .	251 feet 6 inch pipe.
Melrose Avenue . . . . .	100 feet 6 inch pipe.
Mineral Street. . . . .	154 feet 6 inch pipe.

North Main Street . . . . .	764 feet 6 inch pipe.
South Street . . . . .	84 feet 6 inch pipe.
Spruce Street . . . . .	163 feet 6 inch pipe.

Making a total of 2053 feet 6 inch pipe, and 225 feet 4 inch pipe in all. There have been connections transferred from old to new pipe on about 2551 feet during the year.

Fourteen new double gate valves have been set, as follows:

- Corner Baxter and Crescent Streets, one 6 inch valve.
- Corner Baxter and Oak Streets, one 6 inch valve.
- Burditt's Mill, one 4 inch valve.
- Corner Cleveland Avenue and Mineral Streets, one 6 inch valve.
- Corner East Washington and Lafayette Streets, four 6 inch valves.
- Corner North and Main Streets, one 6 inch valve.
- North Main Street, one 6 inch valve.
- Corner Spruce and South Streets, four 6 inch valves.

The following service pipe has been laid:

3,424	feet	$\frac{3}{4}$ inch	galvanized pipe.
160	feet	1 inch	galvanized pipe.
31	feet	$1\frac{1}{2}$ inch	galvanized pipe.
43 $\frac{1}{2}$	feet	4 inch	cast iron pipe.

Making 169 service connections, of which 63 are new water takers.

One new hydrant has been set during the year, the location of which is stated elsewhere.

Two hydrants have been found broken during the year, which have been replaced with new ones.

### LOCATION OF HYDRANTS SET IN 1896.

North Main Street.

## LOCATION OF HYDRANTS SET PREVIOUS TO 1896.

Fair Ground.  
 Park avenue, between Pine street and Harrison avenue.  
 Corner Baxter and Oak streets.  
 Corner Oak and Holly streets.  
 Corner Grove and Locust streets.  
 North end of Stratton road.  
 Woodstock avenue, opposite G. E. Russell's.  
 Corner Main and Killington avenue.  
 Corner Main and Hopkins.  
 Junction Main and Strongs avenue.  
 Corner Main and Park streets.  
 Corner Main and Chaplin.  
 Corner Main and Curtis.  
 East end Curtis street, near Toy Works.  
 Corner Park and Granger.  
 Park street, opposite E. F. Sadler's.  
 Corner Granger and Plain streets.  
 East end Plain street, near Railroad.  
 Corner Plain and Forest streets.  
 Center Gibson avenue.  
 Corner Forest and South streets.  
 Corner Allen and Mussey streets.  
 Corner West and Court square.  
 Corner West and Elm streets.  
 Corner West and Church streets.  
 Corner West and Cottage streets.  
 Corner West and Grove streets, (two.)  
 West street, west side railroad crossing.  
 West street, west side East creek.  
 West street, near Chaffee's office.  
 Junction West and State streets.  
 Corner West and Cramton avenue.  
 West street, opposite stone yard, Center Rutland.  
 Corner West street and Ripley road.  
 Corner Watkins avenue and State street extension.  
 Corner Evergreen avenue and State street extension.  
 Corner State and Pierpoint avenue.  
 North end Pierpoint avenue.  
 North end Evergreen avenue.  
 Corner Main and North streets.  
 Corner Church and North streets.  
 Corner Pearl and North streets.  
 North end of Pearl street.  
 Corner Crescent and Lincoln avenue.  
 Corner Lincoln and Library.  
 Corner Davis and Temple,

Corner Temple and Woodstock avenue.  
 Corner Main and Center streets.  
 Corner Center and East streets.  
 Corner Center and Wales streets.  
 Junction Woodstock avenue and East street.  
 Corner East and Terrill streets.  
 Corner East and Washington street extension.  
 Corner East and Killington avenue.  
 Corner Main and Washington streets.  
 Corner Washington and Nickwackett streets.  
 Corner Nickwackett and Center streets.  
 Corner Washington and Pleasant streets.  
 Corner Pleasant and Madison.  
 Corner Washington and Court streets.  
 Corner Court and Center streets.  
 Corner Court and West streets.  
 Corner Prospect and Madison streets.  
 Corner Washington and Wales streets.  
 Corner Wales and Willow streets.  
 Corner Willow and Edson streets.  
 River street, west side railroad.  
 Corner River and Forest streets.  
 Corner Forest street and Convent avenue.  
 Corner Forest and Union streets.  
 Corner Union and Furnace streets.  
 Corner West and Grove streets.  
 Corner Grove and State streets.  
 Corner Grove and Williams streets.  
 Corner Grove and Maple streets.  
 Corner Grove and Library streets.  
 Corner Grove street and Park avenue.  
 Corner Grove and Cain streets.  
 Corner Grove and North streets.  
 Corner State and Pine streets.  
 Corner Merchants Row and Center streets.  
 Merchants Row, opposite Grant's market.  
 Merchants Row, opposite Houghton's store.  
 Merchants Row, opposite Bady & Wilson's store.  
 Merchants Row, opposite Baxter Bank.  
 Junction Merchants Row and Evelyn street.  
 Corner Washington street and Strongs avenue.  
 Center street, opposite Richardson's stable.  
 Corner Maple and Pine streets.  
 Church street, 167 feet south of Williams.  
 Corner Main and Royce streets.  
 Corner River and Meadow streets.  
 Corner Williams and Chestnut avenue,

Corner River and Granger streets.  
 Center of Summer street.  
 Corner of Library and Church streets.  
 Corner Baxter and State streets.  
 Corner Howe and Franklin streets.  
 Engrem avenue, between Main and East streets.  
 Corner Williams and Elm streets.  
 Corner Baxter and Maple streets.  
 Corner Grant and Lincoln avenues.  
 Corner Furnace and Franklin streets.  
 Corner Meadow and West streets.  
 Corner West and Pine streets.  
 West street, east of R. R. crossing.  
 Corner East street and Jackson avenue.  
 Corner Library and Main streets.  
 Corner Clinton and Main streets.  
 Corner Post and South streets.  
 Corner Harrison and Library streets.  
 Corner Strong's avenue and Royce street.  
 Strong's avenue, near scale works.  
 Corner Baxter street and Park avenue.  
 Corner Woodstock and Bellevue avenue.  
 Corner Crescent and Pearl streets.  
 Corner Crescent and Church streets.  
 Head of High street.  
 Baxter street, near Lincoln Iron Works.  
 South Main street, near Rutland E. and C. Institute.  
 North Main street, opposite Henry Field's.  
 Corner Convent avenue and Meadow street.  
 Corner Evelyn and Freight streets.  
 Corner Main and Terrill streets.  
 Clarke alley and West side of Main Street Park.  
 Lincoln avenue, near J. Austin's.  
 Church street, between Roberts and Kingsley avenues.  
 Corner North Main street and Aiken Place.  
 Total number of hydrants in use, 130.

## STATEMENT.

Showing the yearly revenue of the Department since  
April 1st, 1877.

[From Water Commissioner's Books.]

From April 1, 1877, to April 1, 1878.....	\$ 6,741 17
From April 1, 1878, to April 1, 1879.....	5,912 99
From April 1, 1879, to April 1, 1880.....	5,830 81
From April 1, 1880, to April 1, 1881.....	7,064 51
From April 1, 1881, to April 1, 1882.....	11,708 74
From April 1, 1882, to April 1, 1883.....	12,236 86

From April 1, 1883, to April 1, 1884.....	12,865 92
From April 1, 1884, to April 1, 1885.....	14,489 77
From April 1, 1885, to April 1, 1886.....	14,909 69
From April 1, 1886, to April 1, 1887.....	15,705 75
From April 1, 1887, to April 1, 1888.....	16,822 30
From April 1, 1888, to April 1, 1889.....	17,370 68
From April 1, 1889, to April 1, 1890.....	19,018 12
From April 1, 1890, to April 1, 1891.....	20,321 02
From April 1, 1891, to April 1, 1892.....	21,384 76
From April 1, 1892, to April 1, 1893.....	21,038 41

[From City Treasurer's Books.]

From April 1, 1893, to January 1, 1894.....	21,191 77
From January 1, 1894, to January 1, 1895.....	26,043 87
From January 1, 1895, to January 1, 1896.....	24,299 28
From January 1, 1896, to January 1, 1897.....	25,202 91

## WATER FURNISHED THE CITY IN 1896.

The Department has furnished the city with water,  
the value of which is estimated as follows:

For schools.....	\$ 700 00
For City Hall, Memorial Hall, City Farm and Superin- tendent's office.....	100 00
For Fire Stations .....	35 00
For watering troughs.....	200 00
For 130 fire hydrants, \$10 each.....	1,300 00
	<u>\$2,350 00</u>

## INVENTORY OF THE PROPERTY ON HAND.

Tools and furnishings at shop.....	\$ 1,134 45
Tools and furnishings at head.....	79 50
Material on hand.....	1,745 99
	<u>\$2,959 94</u>

A detailed statement of the inventory is on file in  
the office of the City Clerk.

## RECEIPTS AND DISBURSEMENTS.

Balance on hand December 31, 1895.....	\$ 449 86
Received from water rents and sundry sources.....	25,202 91
Total receipts.....	<u>\$25,652 77</u>

The opposite side of the account shows:

Transfer to credit of sewers.....	\$ 5,000.00
City warrants paid for interest on water bonds and miscellaneous expenses, as per detailed statement.....	18,593 18—\$23,593 18
Unused balance.....	\$ 2,059 59

#### STATEMENT OF WATER RENTS.

May inspection. 1896.

Assessments under May inspection.....	\$27,230 26
Five per cent penalty.....	18 47
	<u>\$27,248 73</u>
Collected by City Treasurer.....	\$24,356 61
Abatements and corrections.....	1,231 87
Water rents unpaid.....	1,660 25—\$27,248 73

Number of water takers, 2627.

It is estimated that the income of the Department for 1897 will be \$27,000.

There has been a surplus of water at all times during the past season, but we would recommend that the incoming committee take steps at once to erect a new dam at the old head and also clean and repave the Woodstock Avenue reservoir, and also to place a telephone in the Superintendent's office and one at the head. We feel confident that no purer water runs than what is now being furnished the city, and as a whole that the department is in excellent condition.

We have had several photographs taken, which accompany this report, showing the nature of the retaining wall that has been built at the new head before mentioned.

Respectfully submitted,

E. B. ALDRICH,	} Committee
A. P. FULLER,	
JAMES DOUGHERTY,	
	on
	Water Department.

## REPORT OF THE Board of Health.

*To the Honorable City Council:*

GENTLEMEN—In accordance with the City Ordinances and the usual custom, we submit this, the fourth annual report of the Board of Health.

The general health of the City has probably been equally as good as in former years, the deaths since April 1st, 1893, having been as follows:

April 1st, 1893, to January 1st, 1884, 9 months, 157 deaths.

January 1st, 1894, to January 1st, 1895, 165 deaths.

January 1st, 1895, to January 1st, 1896, 220 deaths.

January 1st, 1896, to January 1st, 1897, 186 deaths.

The reports for the year 1894 are incomplete, many not being returned.

There was an epidemic of Measles during the Spring and Summer, many cases of which were due to exposure in other towns or on the cars. A few scattering cases of Scarlet Fever were reported, the most of which were immediately following the presence of the Circus in this City. (See table of contagious diseases.)

#### NUISANCES.

A large number of nuisances have been abated, upon request of members of your health board, and but few

## CONTAGIOUS DISEASES REPORTED JAN. TO DEC. 1ST, 1896.

DISEASE.	WARDS.											TOTAL.	
	1	2	3	4	5	6	7	8	9	10	11	Cases.	Deaths.
Cerebro Sp. Meningitis, cases.....									1			1	
Croup, Membranous, { Cases.....								1				1	
Diphtheria, cases.....	6	2	1			1				4	2	16	
Erysipelas, cases.....		1										1	
Measles, cases.....	12	20	17	15	79	27	47	55	21	32	23	348	
Scarlet fever, cases.....	4	11	10		7	2	8	3	12	4	3	64	
Typhoid fever, cases.....	1	3			7	1	2	7	1			22	
Total, { Cases.....								1				453	
Deaths.....													1

notices for abatement have had to be served. Each notice served is an expense to the City.

In almost all cases where notices have been served the abatement of the nuisance has only been for a short time, it soon recurs, and we are unable to stop them permanently owing to the fact that we are unable to prosecute.

The following cases are given as illustrations:

In December 1895 a complaint was entered by our present Mayor that sewage was being emptied upon the surface of the ground in the lane near the gas house called Fifth Avenue, from houses there, and that it was running across the side walk on Pine street extension. Notice was at once served upon the property owners to connect their houses to the sewer, as provided by the Ordinances. The houses were immediately vacated and remained so until Spring, when they were again tenanted and sewage again began to flow.

The case was then placed in the hands of the City Attorney, where it remains.

Another instance: On the west side of Nichols Street in a vacant lot owned by the Mansfield estate is a sewer opening into a cesspool, which has become filled, and overflows on to the surface of the ground, flows down the hill a part passing into the cellars of houses on Lincoln Avenue, the balance continuing across the side walk on Lincoln Avenue to the road way. One, two and three notices each year for four years have been served upon the owners of this property—the flow of sewage would be stopped for a few days or weeks and then would be again started. It was recently stopped by another order.

There are many places where sewage is being emptied upon the surface of the ground in different sections of the City, constantly breeding disease. We have in-

investigated the cause in cases of Diphtheria reported the past year, and are thoroughly convinced that we have found it due, in nearly every case, either to sewage emptied on to the surface of the ground or into the cellars, or to poor plumbing, this allowing the gases to permeate the house.

#### GARBAGE AND REFUSE.

The same story remains to be reported about the disposal of the garbage and refuse, as in former years, with this exception, last spring a place was procured west of Forest Street, to dump the waste and refuse of the City into an old channel of Moon brook, the property owners agreeing to see that it was covered. This has not been done, neither have truckmen and drivers who have dumped rubbish there, dumped it into the old channel, it lies scattered over an acre of ground. A man should be employed to take charge of a dumping ground and see that every thing is kept buried, or the City should purchase a crematory and use it for the disposal of such matters.

#### PLUMBING.

Plans and specifications for 152 different jobs of plumbing were filed with your health board the past year.

All new work has been tested with the water test, and all repairs of old plumbing have been tested by the same test as far as possible.

In all the houses on Pine and Mineral Streets, where new house drains have been connected to sewer No. 2 we have insisted that such should be properly ventilated and put in a healthful condition as possible, as we think that it within our province and is our first duty to insist that all the sanitary improvements should be made, when connecting or replacing new or old plumbing, or when

connecting or replacing a new or old house drain to either the new or old sewers.

#### WATER.

In May we collected six samples of water from the following places:

Sample No. 1. Taken from Mendon river near Rooney's about five miles above the settling pool.

Sample No. 2. Taken from near the bottom of the settling pool in the rear of the gate house.

Sample No. 3. Taken from the surface of the large settling pool in rear of the gate house.

Sample No. 4. Taken from the reservoir on Woodstock Avenue.

Sample No. 5. Taken from a faucet on Center Street.

Sample No. 6. Taken from a faucet at the last house in Center Rutland supplied with water by the City.

These samples were sent to the Museum of Hygiene at Washington for analysis, and the following report was received:

# NAVY DEPARTMENT.—BUREAU OF MEDICINE AND SURGERY.

MUSEUM OF HYGIENE, 1707 NEW YORK AVE., }  
WASHINGTON, D. C., JULY 30, 1896. }

## EXAMINATION OF WATER.

CHEMICAL EXAMINATION—(EXPRESSED IN PARTS PER MILLION.)

	SAMPLE.					
	No. 1.	No. 2.	No. 3.	No. 4.	No. 5.	No. 6.
Color.....	None	None	None	None	None	None
Odor.....	None	None	None	None	None	None
Turbidity.....	None	None	None	None	None	None
Sediment.....	Very little	Very small	Small	Quite large	None	Very little
Residue on evaporation.....	96.	48.	88.	50.	47.	50.
Loss on ignition.....	34.	19.5	41.	25.	27.	27.
Fixed solids.....	62.	28.5	47.	25.	20.	43.
Free ammonia.....	.015	.025	.032	.020	.020	.008
Albuminoid ammonia.....	.075	.070	.070	.080	.062	.040
Nitrites (as nitrogen).....	None	None	None	None	None	None
Nitrates (as nitrogen).....	.65	.25	.50	.70	.25	.20
Chlorine.....	1.00	.50	1.50	1.50	1.50	3.00
Hardness.....	15.00	23.00	23.00	23.00	None	38.00
	No permanent hardness. Alkalinity equivalent to 34 parts sodium carbonate per 1,000,000. This is a potable water.	No permanent hardness. Alkalinity equivalent to 30 parts sodium carbonate per 1,000,000. This is a potable water.	No permanent hardness. Alkalinity equivalent to 48 parts sodium carbonate per 1,000,000. This is a potable water.	No permanent hardness. Alkalinity equivalent to 20 parts sodium carbonate per 1,000,000. This is a potable water.	Decidedly alkaline water. Alkalinity equivalent to 34 parts sodium carbonate per 1,000,000. This is a potable water. No permanent hardness.	Decidedly alkaline water. Alkalinity equivalent to 34 parts sodium carbonate per 1,000,000. This is a potable water. No permanent hardness.

DATE RECEIVED: MAY 23, 1896.

FROM: RUTLAND, VT.

SOURCE: MOUNTAIN STREAM.

## SCHOOL BUILDINGS.

Under Act No. 102, Laws of 1896, it becomes necessary for your Health Officer to make an annual sanitary survey and report of the ventilation and sanitary condition of the School Buildings of the City.

In compliance with that Law and with the assistance of Alderman A. P. Fuller, Chairman of the Committee on Health, we made an examination during the week beginning December 14th, 1896.

Owing to lack of time before school closed on Friday the 18th, we could only make an examination of the quantity of air that was passing too and from the building, giving part of a day to each building. All examinations have been made during school hours and while school was in session. In this report we shall try and give a general description of each building, and the manner of their ventilation. And in judging the sufficiency or insufficiency of the different buildings or systems of ventilation, it must be borne in mind that to properly ventilate a room it is necessary to admit pure air of sufficient quantity to keep the amount of carbonic acid gas to not more than 7 parts in 10,000 of air. Air normally contains from 1 to 5 parts in 10,000, Usually about 4 parts in 10,000 are found, and never should be allowed to increase to over 8 parts in 10,000.

It has been found by repeated tests that under ordinary circumstances a man during repose inhales about 480 cubic inches of air per minute. With light exercise 5 times as much, and with severe exercise 7 times as much. And that the amount of carbonic acid gas is increased with exercise.

That during repose the amount of carbonic acid gas evolved from the lungs and body is for:—

Adult males (of 160 lbs. weight).....	0.7 of a cubic ft. per hour
Adult females (of 180 lbs. weight) ...	0.6 of a cubic ft. per hour
Children (of 80 lbs. weight)....	0.4 of a cubic ft. per hour
Mixed community.....	0.6 of a cubic ft. per hour

That the amount of fresh air to be supplied in health and during repose ought to be :—

For adult males.....	3,500 cubic ft. per hour
For adult females.....	3,000 cubic ft. per hour
For children.....	2,000 cubic ft. per hour
For mixed community.....	3,000 cubic ft. per hour

That during exercise the amount of air should be correspondingly increased.

#### THE CHURCH STREET BUILDING.

This building is a two story and basement brick building, facing to the West on Church street. It has a front and two rear entrances. On each floor is a large hall extending through the center from front to rear. There are two school-rooms on each side of the halls on each floor, eight in all, with a seating capacity of fifty scholars each, and a total for the building of 400 scholars and eight teachers.

The building is heated and ventilated by the Smead system, which is an exhaust system, the principle involved is the exhaustion of the air from the building through a shaft or chimney, extending from the basement through the roof, by means of a small furnace placed in the base of the shaft to heat the air in the shaft, to cause a draft.

The system consists of four large furnaces situated in the basement. Each furnace is placed in a large fresh air chamber, two basement windows act as inlets for fresh air to each of these chambers, each chamber supplies air, either hot or cold as desired (this being regulated by dampers in the flues) to the two rooms directly over, and a small quantity to the halls.

Each school-room is supplied with a grated opening for the admission of fresh air. This opening is situated in the inner wall about seven feet above the floor directly over the fresh air chamber and connecting with the same by a brick flue.

The foul air passes from the rooms through a grated opening in the floor, situated at the inner corner of the rooms, thence through galvanized iron flues into two collecting chambers in the basement, the four rooms north of the halls to the north chamber, and the four rooms south of the halls to the south chamber.

The original idea of the system was to take the foul air from the rooms by grated openings in the baseboards directly under each window, and carry it under the floors to the collecting chambers, but the builders inadvertently bricked up these flues while constructing the building.

The air from the collecting chamber passes through a tunnel directly under the closet seats to a large brick aspirating shaft or chimney extending up through the roof. In the base of each shaft is a small furnace to heat the air in the shaft to cause a draft, to assist in aspirating the air from the rooms.

The closets and urinals are in the basement and are a part of the Smead system, one for the boys in the south east corner, and one for the girls in the north east corner. The closet seats are placed directly over the tunnel or duct leading from the collecting chamber, to the shaft. The excreta dropping upon an iron grating about four inches from the floor of the tunnel, which permits the air to pass over and around it, and after being dried it is burned.

The urinals are a system of stalls around a perpendicular galvanized iron pipe. In each stall is a funnel attachment to this pipe, which starts about two inches

from the floor, and is connected to the aspirating shaft by a horizontal pipe about seven feet from the basement floor. A tile drain pipe opens directly under this perpendicular pipe and empties into the bottom of the shaft. No water is used to flush.

The Lavatories are all in as perfect condition as it is possible to make them, they are trapped, the traps ventilated, with ventilation through the roof, a running trap and a fresh air inlet.

The general cleanliness of this building was particularly good, with the exception of the closets and urinals, the urinals having a very objectionable odor.

This building was examined on the 14th day of December, 1896.

The day was clear, fair, with varying winds from the north, and temperature of 18 to 20 degrees above zero.

The result of the examination, with the windows in the fresh air chambers open about nine inches (as we found them) was as follows. The amount of fresh air passing:

To the two north west rooms, 1842 cubic feet per minute.  
 To the two south west rooms, 1842 cubic feet per minute.  
 To the two north east rooms, 1575 cubic feet per minute.  
 To the two south east rooms, 1574 cubic feet per minute.

Total to building, 6833 cubic feet per minute.

The halls were receiving of this amount 1095 cubic feet per minute, leaving for the school rooms 5736 cubic feet per minute, or 14.345 cubic feet per minute, per person.

At the same time the foul air was passing out of the north aspirating shaft at the rate of 4269 cubic feet per minute, and from the south aspirating shaft at the rate of 4236 cubic feet per minute, making a total exhaust from the building of 8505 cubic feet per minute.

Upon opening the windows we found passing:

To the two north west rooms, 2465 cubic feet per minute.  
 To the two south west rooms, 2465 cubic feet per minute.  
 To the two north east rooms, 2465 cubic feet per minute.  
 To the two south east rooms, 2457 cubic feet per minute.

Total to building, 9852 cubic feet per minute.

At the same time we found passing to the halls 1642 cubic feet per minute, leaving for the rooms 8210 cubic feet or 20.525 cubic feet per minute, per person.

With the windows open we found the exhaust from the north shaft 5210 cubic feet per minute, and from the south shaft 5200 cubic feet per minute. A total exhaust from the building of 10,410 cubic feet per minute.

The amount of air passing from the fresh air chambers through the building is much less than that passing from the collecting chambers out through the aspirating shaft.

#### THE PINE STREET BUILDING.

The Pine Street School Building is a two story and basement brick building, facing to the west on Pine Street, with one entrance on Pine Street. A hall on each floor extends about one-half way to the rear of the building, there is one room on each side of the hall on each floor. Each room has a seating capacity of fifty scholars, or two hundred scholars and four teachers for the building.

This building is warmed and ventilated by the Smead system.

There are two furnaces placed side by side in the center of the basement, with a fresh air chamber in the rear, windows in the north and south sides of the building supply fresh air to this chamber, through wooden conducts. It then passes to the rooms through brick flues, warm or cold as desired, being controlled by dampers in the flues, entering the rooms through a grated

opening in the inner walls about seven feet from the floor.

The foul air passes out through grated openings in the baseboards, directly under each window, thence under the floor to two collecting chambers in the rear of the basement thence passing through the tunnel under the closet seats to the aspirating shaft in the center of the rear of the building, thence through the roof. A base furnace warms the air in this shaft.

This building was examined on the 15th day of December 1896, the day was clear, with strong north wind, temperature of about fifteen degrees above zero.

We found the windows in the fresh air chambers closed to within about three inches. In this condition there was passing into the building about 1115 cubic feet of air per minute, or 5.575 cubic feet per minute, per person.

With the windows open we found that 3940 cubic feet per minute could be admitted, or 19.7 cubic feet per minute, per person.

In the girls' closets in the north basement we found four closet seats open. In this condition the exhaust from the north foul air chamber was 1142 cubic feet per minute, and with these closed it was 1434 cubic feet per minute.

In the south basement or boys closet with one cover open, as found, 1321 cubic feet per minute was passing out of the south foul air chamber. With it closed 1440 cubic feet per minute.

A total exhaust from the building of 2874 cubic feet per minute.

The amount of air passing through this building from the fresh air chambers is greater than that exhausted through the aspirating shaft.

The lavatories of this building are trapped with a small S trap without ventilation.

The closets and urinals are a part of the Smead system situated in the basement, and are similar in construction and condition to those in the Church street building, except that there are only one-half as many.

#### THE SCHOOL STREET BUILDING.

This is a two story and basement wooden building facing School Street. It contains four school rooms and has a seating capacity of 156 scholars, 92 in the east half and 64 in the west half.

This building is warmed and ventilated with the Smead system and is similar in construction to the Church Street building, air being taken in through basement windows on the east and west sides of the building, passing through wooden conducts to the furnaces, two in number, thence to the rooms through flues and a grated opening in the inner walls. The foul air passing out through the grated opening in the floor to a chamber in the basement, thence to the closet chamber, thence to the aspirating shaft and out through the roof.

This building was examined on the 15th day of December. There was passing to the two east rooms 1159 cubic feet of air per minute, and to the two west rooms 941 cubic feet per minute. A total of 2100 cubic feet per minute to the building, or 13.46 cubic feet per minute per person.

The exhaust from the building was 2165 cubic feet per minute.

The closets and urinals of this building are located in the rear of the hall and school room, one for boys and one for girls on each floor.

The closet seats and urinals on each floor open into a vault extending down to the basement bottom, where there is a grate similar to that in the Church and Pine Street buildings, and the same methods used for the disposal of the excreta.

The sinks are connected to akron pipe sewers in the basement without perceptible trap of any value, or ventilation.

#### WARD NINE BUILDING.

This is a two story and basement brick building facing Melrose Avenue, with entrances at each end. A large hall extends the entire length of the north side, on each floor. This building contains six rooms, three on each floor, and has a seating capacity of three hundred.

The heating and ventilating system was placed in the building by the Buffalo Forge Company, and consists of: The air passing into the building through one of the basement windows (which was wide open) through a wooden conduct to a fan run by a water motor, which forces it through either a chamber filled with steam pipes, (which are supplied by steam from a boiler in the basement, where it is warmed, before sending it to the rooms) or through a separate system of pipes cold, to be mixed with the warm if desired just before entering the rooms. The quantity of hot or cold air can be governed by a system of dampers in the flues.

It enters the rooms through a grated opening about seven feet from the floor in the inner walls.

The foul air passes out of the rooms through a grated opening in the inner walls near the floor, into brick flues which open in the attic or out through the roof.

This building was examined on the 16th day of December. We found that there was passing into the building through this fan 8366 cubic feet per minute. Of

that amount we found that 1927 cubic feet was going to the halls, and that 1376 cubic feet was going to the basement, leaving 5063 cubic feet for the use of the scholars in the school rooms, or 16.866 cubic feet per minute, per person.

This building is supplied with a lavatory in a small closet off from each school room, trapped with a Sanitas trap not back-aired, but ventilated through the roof.

The closets are Mott's syphon range separate closets, flushed by automatic tanks. The urinals are earthen, set on slate wainscoting, and flushed by automatic tanks.

All these fixtures are trapped and in good condition.

This whole system is ventilated through the roof, has a running trap and fresh inlet pipe.

#### PARK STREET BUILDING.

This is a two story and basement brick building, facing Park Street. It has a large hall extending the whole length of the building in the north side, and also from front to rear on each floor. There are entrances at each end and one in front. It has two rooms on each floor, and a seating capacity of two hundred.

This building is warmed and ventilated by the Fuller Warren system, which is an exhaust system.

The air passes into the building through two windows in the north side of the basement, through a galvanized iron duct to a chamber in the rear of the furnaces. Thence to the rooms through brick flues, and a grated opening in the walls of the rooms seven feet from the floor.

The foul air passes out through a grated opening near the floor in the inner walls, through brick flues to a small chamber in the basement by the side of the

fresh air chamber, thence into the aspirating shafts which are two in number.

The aspirating shafts are built of brick, and are divided in the center from base to top, one half taking the foul air from the rooms, the other half acting as a ventilation for the closet system. The shafts are warmed by small base furnaces, in which fires are constantly kept to assist in exhausting the air from the rooms.

There is a damper between the fresh air and the foul air chambers to allow the revolving of the air from the rooms through the foul air chamber to the fresh air chamber, thence to the furnaces and into the rooms again, when school is not in session, thereby saving much fuel in winter. This is the only building in which there is a ventilation system that has this provision. This building is supplied with lavatories placed in the building without the permission of your Health Officer in 1895. The closets and urinals are in the basement, and are the Fuller-Warren Sanitary Cremating Closet system. The closet seats are placed over a brick vault, one end being connected to the aspirating shaft, the other end opening into the basement and being supplied with a fire place grate in which a fire can be started to burn up the excreta, after the moisture has been evaporated, and also to admit air for that purpose and the ventilation of this vault.

This building was examined on the 18th day of December. The day was much the same as the previous days, clear, cold, with varying winds from the north. We found the windows opening into the fresh air chambers nearly closed and the dampers between the fresh and foul air chambers closed, allowing the return of the foul air to the rooms. The amount of fresh air entering the building was 1111 cubic feet per minute, or 5.555 cubic feet per minute per person.

With the windows open and the dampers closed, 6645 cubic feet per minute was admitted. Of this 2665 cubic feet per minute was going to the lower hall and 47½ cubic feet was going to the upper hall, leaving 3885 cubic feet to go to the school rooms, or 19.42 cubic feet per minute per person.

At the same time the foul air was passing out through the west shaft at the rate of 4333 cubic feet per minute, and from the east shaft 3840 cubic feet per minute, a total exhaust of 8173 cubic feet per minute from the building.

#### THE CENTER STREET OR HIGH SCHOOL BUILDING.

This is a two story and basement brick building. The center of the building is given up to halls and cloak rooms, a library in front on second floor and a laboratory in the dome over the halls. The wings are divided into school and class rooms. The east wing, first floor, into two rooms, the second floor one large room. The west wing, first floor, into two rooms, second floor into two rooms. The attendance of scholars at the present time in the building is about 310.

This building is warmed by steam pipes running around the rooms. The only means of ventilation is by the doors and windows, with the exception of the High School room in the second story, which is supplied with a ventilation system similar to that in the Ward Nine building. No tests could be made of this system as the fan was out of order and was not running, and the inlet was closed when we made the attempt.

There is also a small register near the ceiling in the sides of the rooms which open into the dead air space in the walls or into the chimneys. The sanitariums of this building are in very fair condition with the exception of

the urinals in the boys' closet, which do not work satisfactorily.

This system was placed in the building one year ago, and consists of a set of separate closets in the north side of the basement in the west wing of the building for the girls, and a set of separate closets and urinals in the south side of the same for the boys.

The closets are of the Smith and Anthony school closet pattern, having a four inch seat vent, and flushed by tanks the valves of which are open by hand pulls,

The seat vents are connected to a ventilating shaft built for that purpose, and warmed by a small base furnace in summer and by steam pipes in winter.

The urinals are separate and are built of slate. They are flushed by a perforated pipe running horizontally about five feet from the floor, and about one-half inch from the slate.

The fault seems to be, first: That the slate are set perpendicular, the water from the flushing pipe strikes the slate and bounds off, and does not follow down its surface, and secondly that the slate were not properly set, allowing the water to work under them into the walls in the rear. The waste is taken away to the sewer through a waste pipe in the center of the trough and of the floor.

This system is supplied with fresh air pipe, running trap, ventilation through the roof, and each fixture is separately trapped, and traps back aired.

Aside from the use of wood and cement floor, instead of slate or glass in a basement, and the present condition of the urinals, we should consider this one of the best sanitary systems in the City.

#### MADISON STREET BUILDING.

This is a two story and basement wooden building situated at the corner of Madison and Prospect Streets, entrance on Madison Street. A hall on each floor extends two-thirds of the way to the rear in the center, with a school room on each side, four in all with a seating capacity of about 175 scholars.

The only means of ventilation in this building is by the windows, with the exception of a small register in the chimney near the floor in each room, which acts as an outlet for a small quantity of air.

The sanitariums in this building were placed in the building in September, 1896, and are in the rear of the halls, one on the first floor for boys, and one on second floor for girls.

The boys' room is supplied with three Automatic Syphon Tank closets of the Smith and Anthony pattern, set on slate tile floor, with slate partitions between them. The tile of the floor slope toward the center of the room, where there is a small grate covering an opening to the waste pipes allowing of the flushing of the whole floor. Slate wainscoting lines the sides of the room. The urinal is made of slate the back of which is about eight feet long and six feet high, and has one and one-half inch pitch. It is flushed by a perforated horizontal pipe set close to the slate about five feet from the floor, over the top is a hood from the center of which is a pipe which connects with a ventilation shaft built expressly for the ventilation of the closet system, and to which all the closets are connected by four inch seat vents.

The girls' room on second floor is finished in wood and is supplied with six separate closets, of the same pattern, and ventilated the same as in the lower room. There is a sink in each room trapped with a Sanitas trap.

This system has fresh air inlet, running trap, ventilation through the roof. Each fixture is trapped separate, and traps back vented. In fact we think that this is one of the most perfect, if not the best sanitary system of plumbing in the City.

#### THE WOODSTOCK AVENUE BUILDING.

This is an old, one story building, without basement, containing two rooms and having a seating capacity of ninety to one hundred scholars.

There is no means of ventilation except by the windows and doors. The closets and urinals are in a shed in the rear, are of an old pattern, not approved of at the present time, and are unventilated.

#### OTHER BUILDINGS.

Three rooms in the building at the corner of Court Square and West Street, are used for school purposes, and accommodate from one hundred to one hundred and fifty scholars.

This building was formerly used as a storehouse for hides, and is wholly unfit for school purposes, and should be abandoned. There is no means of ventilation except by the windows and doors. It is warmed by a furnace and stoves.

The day in which we visited the building, the carbonic acid gas must have been not less than 20 parts in 10,000.

One room in the building on the west side of North Main Street formerly used by the Sheldon Hose Co., is used for a school and is not ventilated, and is unfit for school use.

#### BIRTHS.

The number of births reported for the year was :—

Males . . . . .	131
Females . . . . .	115
Total . . . . .	246
Single births . . . . .	236
Twin births, 4 pairs . . . . .	8
Total . . . . .	246

The nationality of parents was :—

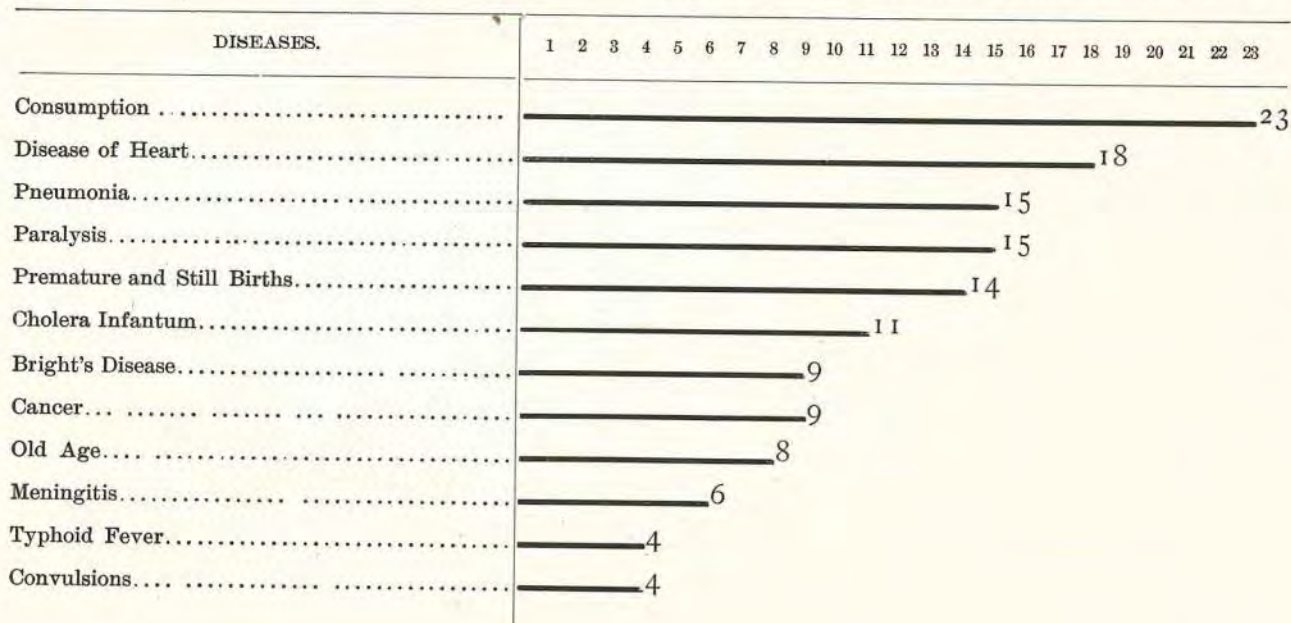
	Fathers.	Mothers.
United States . . . . .	174	183
Canada . . . . .	27	26
Ireland . . . . .	23	20
England . . . . .	2	—
Sweden . . . . .	2	2
Italy . . . . .	3	2
Germany . . . . .	1	1
Bavaria . . . . .	—	1
Hungarian . . . . .	1	—
Syria . . . . .	1	1
Unknown . . . . .	8	6
Total . . . . .	242	242

We are sorry to say that this is not a complete list of the number of births in the City owing to the negligence of the physicians and parents in not reporting, and we should recommend the prosecution of a few cases, as we do not think that they realize the importance of the records, if they were complete.

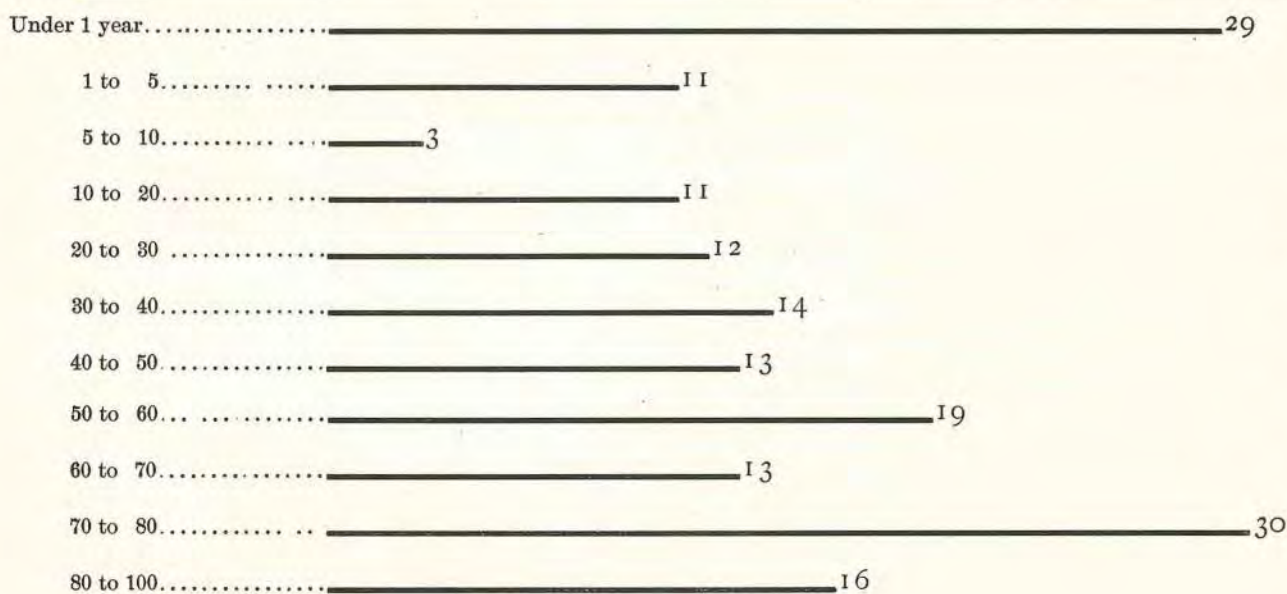
# COMPARATIVE VIEW OF 12 CAUSES OF DEATH FOR THE YEAR ENDING DEC. 31, 1896.

138

ANNUAL REPORT



## COMPARATIVE VIEW OF AGES AT TIME OF DEATH.



CITY OF RUTLAND.

139

## DEATHS REPORTED.

DISEASES.	Male.	Female.	American.	Foreign.	Under 1 yr.	1 to 5.	5 to 10.	10 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 100.	Total.
Asthma.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Appendicitis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Accidental.....	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	4
Burns and Results.....	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
Bronchitis.....	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	3
Bright's Disease.....	3	6	5	4	1	1	1	1	1	1	1	1	1	1	1	3
Cancer.....	4	5	8	1	1	1	1	1	1	1	1	1	1	1	1	4
Cholera Infantum.....	3	8	11	1	11	1	1	1	1	1	1	1	1	1	1	3
Cholera Morbus.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Consumption.....	11	12	21	2	1	1	3	7	8	3	1	1	1	1	1	23
Convulsions.....	3	1	4	1	1	1	1	1	1	1	1	1	1	1	1	4
Croup, Membraneous.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cases of Spine and Results.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Diarrhœa.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Diphtheria.....	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
Dysentery.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Disease of Heart.....	11	7	14	4	1	1	2	1	3	5	6	1	1	1	1	18
Disease of Liver.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Disease of Spine.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Disease of Brain.....	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	3
Fever, Typhoid.....	4	4	4	1	1	2	1	1	1	1	1	1	1	1	1	4
Fever, Typho Malarial.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Gall Stones.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hemorrhage.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Hemiplegia.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hydrocephalus.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Insanity.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Intestinal Obstruction.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Intussusception.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Inanition.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Marasmus.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Meningitis.....	3	3	5	1	1	1	2	1	1	1	2	1	1	1	1	6
Measles.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Old Age.....	4	4	5	3	1	1	1	1	1	1	1	1	1	1	1	8
Paresis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Pelvic Cellulitis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Pneumonia.....	7	8	9	6	4	3	1	1	1	1	1	2	3	1	1	15
Paralysis.....	7	8	13	2	1	1	1	1	1	1	1	2	8	4	1	15
Rheumatism of Heart.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sarcoma.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Suicide.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Spasm of Glottis.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Spina Bifida.....	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	2
Uremia.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Other Causes.....	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	3
Still Births.....	4	10	1	1	1	1	1	1	1	1	1	1	1	1	1	14
Total.....	84	88	137	34	29	11	8	12	12	14	13	19	13	30	16	186

## DEATHS AND BURIALS.

There have been 186 deaths in the City for the year ending December 31. Burials as follows:—

In Evergreen Cemetery . . . . .	66
In Calvary Cemetery . . . . .	43
In St. Joseph Cemetery . . . . .	20
In City Farm Cemetery . . . . .	2

In Old Catholic Cemetery . . . . .	1
In North Main St. Cemetery . . . . .	2
Total burials in city . . . . .	134
Bodies removed from city for burial . . . . .	52

Total deaths in city . . . . . 186

There have been brought into the city for burial:—

In Evergreen Cemetery . . . . .	44 bodies
In Calvary Cemetery . . . . .	22 bodies
In St. Joseph Cemetery . . . . .	3 bodies
In Old Catholic Cemetery . . . . .	1 body
In City Farm Cemetery . . . . .	1 body

Total brought into the city for burial . 71 bodies

Yours respectfully,

WILLIAM M. STEARNS, M. D., } Board  
GEORGE P. RUSSELL, } of  
EDWARD LAREAU, } Health.



## REPORT OF THE Chief Engineer.

### *To the Honorable City Council:*

In compliance with section 25, chapter 22 of the laws and ordinances of the City, I herewith submit my report, including a complete record of fires from January 1 to December 31, 1896, and a detailed statement of fires and alarms that the department have responded to, also the cause of such fires, with the amount of insurance carried upon the property endangered and the total insurance paid thereon.

Your apparatus for extinguishing fires consists of:—

One Amoskeag steam fire engine.

One Hayes aerial hook and ladder truck.

Two hose wagons, capacity 1,500 feet hose, each equipped with fire extinguishers, rubber covers, short ladders, etc.

400 feet new hose.

1,200 feet hose in good condition.

3,200 feet hose in fair condition.

600 feet hose in poor condition.

1,000 feet hose condemned.

The estimated value of property in charge of the fire department, December 31, 1896, is \$20,158.53. The schedules in detail are on file at the City Clerk's office, also at department headquarters. The telegraph fire alarm system is in perfect condition. A steam gong has

been placed in the circuit and located at the Marble City Electric Light Station.

All bills against the department are settled to date.

The current expenses for running the department for the past year are \$7,475.68, classified as follows:—

Salaries.....	\$5,553 27
Forage for horses.....	370 28
Horseshoeing.....	94 90
Veterinary services.....	31 65
Repairs and apparatus.....	229 35
Repairs on station No. 2.....	140 39
Fuel.....	230 52
Laundry.....	61 86
Fire alarm supplies.....	147 49
Supplies for stations.....	260 62
Telephones.....	56 00
New fire alarm apparatus.....	220 25
Miscellaneous supplies and expenses.....	79 10
	<u>\$7,475 68</u>

Appropriation .....	\$7,500 00
Old material sold .....	25 45—\$7,525 45
Current expenses.....	7,475 68
Unexpended balance.....	<u>\$ 49 77</u>

I wish to call your attention to hose for the past three years. I have advised the purchase of 500 feet each year. As yet none has been bought except 400 feet taken in exchange for old apparatus. Your supply is now very small. In the past two years more hose has been ruined by being used for flushing out sewers than by use in fire service. The street department should buy their own hose and not make the fire department stand the expense.

### HYDRANTS.

The use of hydrants by persons not accustomed to use them is entirely wrong. In the past three years they have been used by persons not knowing, when they leave them, whether they are properly closed or not; if found

leaking they are never reported. I have found several in the past year in bad condition. It is only a question of time when it will be seen that a broken hydrant is a very bad thing in the case of fire. I claim that the superintendent of the water works should have the exclusive charge of them except in case of fire.

#### RECOMMENDATIONS.

In my report of 1895 I advised the purchase of a pair of horses for the aerial truck. I think this should be done at once, as there are several locations in the city where I consider the truck should be one of the first pieces of apparatus to arrive. Station No. 2 can be arranged so as to locate the steam fire engine there. This would give ample room for the truck and horses in station No. 1. This being done, Rutland can then claim that it has one department complete, and this would be all the fire protection needed for several years.

Some action should be taken at once in regard to hose. I would advise the immediate purchase of 1000 feet. I wish to call your attention again to the condition of Station No. 2. The cellar is wet, which makes the rooms very damp, and I consider it a very unhealthy place for men to live in. The only repairs made there in the past year were laying a new floor and repairing the stalls.

#### CONCLUSION.

I desire to express my appreciation to the assistant engineers, the officers and men comprising the department, of their fidelity in the discharge of their duties, to the fire committee and members of the City Council for the interest at all times manifested in the department, and to the chief of police and officers of his force for their co-operation and assistance at fires.

Respectfully,

K. K. HANNUM,

Chief Engineer Fire Department.

# Record of Fires for Year Ending December 31st, 1896.

DATE.	Style of Alarm.	Time.	Location.	Class of Building.	Owner.	Occupied as	ESTIMATED VALUES.		ESTIMATED PROPERTY LOSS.		REPORTED INSURANCE INVOLVED.		REPORTED INSURANCE PAID.		Cause.	
							Building.	Personal.	Building.	Personal.	Building.	Personal.	Building.	Personal.		
1896																
Jan. 6	Still.....	9.05 p. m.	So. Main street.....	Wood.....	F. C. Robbins.....	Dwelling.....	\$ 3,500 00	\$ 3,500 00	\$.....	\$.....	\$ 2,500 00	\$ 3,075 00	No loss.	No loss.	Overheated furnace.	
Jan. 11	Box 43.....	2.05 a. m.	Grove street.....	Wood.....	J. H. Holmes.....	Dwelling.....	1,500 00	800 00	200 00	150 00	1,400 00	600 00	\$ 200 00	\$ 150 00	Overheated furnace.	
Jan. 24	Box 16.....	9.30 p. m.													False alarm.	
Feb. 2	Box 43.....	1.49 p. m.	State street.....	Wood.....	M. J. Perkins.....	Dwelling.....	2,000 00	500 00	15 00		4,000 00	None.	15 00		Chimney burning out.	
Feb. 2	Box 18.....	2.13 p. m.	State street.....	Wood.....	M. J. Perkins.....	Dwelling.....										
Feb. 6	Still.....	6.21 p. m.	Outside city limit.....													
Feb. 10	Box 34.....	11.26 p. m.	Stratton road.....	Wood.....	Henry Elky.....	Dwelling.....	700 00	250 00	600 00	184 00	600 00	300 00	600 00	184 00	Incendiary.	
Feb. 17	Still.....	12.40 a. m.	Washington St.....	Brick.....	City.....	City offices & fire sta.....	25,000 00	10,000 00			20,000 00	None.	No loss.		Electric light wires.	
Feb. 18	Box 37.....	5.43 p. m.	Hopkins street.....	Wood.....	Thomas Toohey.....	Dwelling.....	1,200 00	50 00	35 00	60 00	1,000 00	500 00	35 00	60 00	Thawing water pipe.	
Feb. 20	Box 45.....	6.31 p. m.	Center street.....	Brick.....	J. Cook & Mrs. Irwin.....	Stores and offices.....	8,000 00	4,500 00			7,000 00	3,900 00	No loss.	No loss.	Gasoline stove.	
Mar. 5	Box 15.....	6.40 a. m.	Harrison avenue.....	Wood.....	Thomas Higgins.....	Dwelling.....	2,000 00	500 00			2,000 00	None.	No loss.		Thawing water pipe.	
Mar. 8	Box 34.....	1.07 p. m.	So. Main street.....	Wood.....	Mrs. H. Daley.....	Dwelling.....	200 00	100 00	25 00		200 00	None.	25 00		Ashes.	
Mar. 9	Box 23.....	11.32 a. m.	West street.....	Wood.....	Charles Graves.....	Schools.....	1,000 00	800 00	15 25		800 00	700 00	15 25	No loss.	Overheated furnace.	
Apr. 3	Box 37.....	2.15 a. m.	Hopkins street.....	Wood.....	Timothy Clark.....	Dwelling.....	1,400 00	500 00	20 00	20 00	1,200 00	500 00	20 00	20 00	Incendiary.	
May 4	Box 47.....	8.55 p. m.	Merchants Row.....	Brick.....	W. Y. W. Ripley.....	Opera house & stores.....	30,000 00	45,000 00			22,000 00	20,000 00	No loss.	No loss.	Cigar stub.	
May 10	Box 34.....	9.35 p. m.	Stratton road.....	Wood.....	M. Raymond.....	Dwelling.....	500 00	200 00	400 00		400 00	None.	400 00		Incendiary.	
May 15	Box 45.....	12.34 a. m.	Center street.....	Brick.....	J. Cook & Mrs. Irwin.....	Stores and offices.....	8,000 00	4,500 00	3 00		7,000 00	3,900 00	3 00	No loss.	Gasoline stove.	
June 5	Phone.....	9.05 a. m.	Center street.....	Wood.....	N. S. Stearns.....	Dwelling.....									Needless alarm.	
July 12	Box 61.....	5.13 p. m.	Forest street.....	Wood.....	Thomas Dolan.....	Dwelling and shed.....	800 00	300 00	400 00		600 00	None.	400 00		Unknown.	
July 22	Phone.....	9.40 a. m.	Center street.....	Brick.....	Mrs. H. H. Smith.....	Dwelling.....	800 00	400 00	100 00		750 00	None.	100 00			
July 28	Box 45.....	2.47 a. m.	Center street.....	Brick.....	C. F. Richardson.....	Schools.....									Needless alarm.	
Aug. 8	Box 61.....	7.20 a. m.				Hotel and stores.....	40,000 00	30,000 00	42 00		24,625 00	19,650 00	42 00	No loss.	Unknown.	
Aug. 13	Box 34.....	11.54 p. m.	So. Main street.....	Wood.....	Walter Dinn.....	Barn.....	125 00	25 00	15 00		75 00	None.	15 00		Needless alarm.	
Sept. 2	Box 74.....	12.24 a. m.	West street.....	Wood.....	Temple Bros.....	Blacksmith shop.....	300 00	800 00	200 00	205 00	200 00	675 00	200 00	205 00	Incendiary.	
Sept. 14	Box 47.....	6.22 p. m.	Freight street.....	Brick.....	Burditt Bros.....	Elevator and Mill.....	20,000 00	22,000 00	16,000 00	23,000 00	13,100 00	18,600 00	13,100 00	18,300 00	Unknown.	
Sept. 17	Box 25.....	5.45 p. m.	No. Main street.....	Wood.....	Frank Brown.....	Barn.....	600 00	400 00	600 00	400 00	None.	None.			Spon. combustion.	
Sept. 19	Box 34.....	10.25 p. m.	Outside city limit.....												Lightning.	
Oct. 19	Box 53.....	12.58 a. m.	Union street.....	Wood.....	James Gilrain.....	Dwelling and barn.....	1,200 00	500 00	300 00	334 37	1,000 00	400 00	300 00	334 37	Incendiary.	
Oct. 19	Phone.....	8.20 a. m.	Merchants Row.....	Brick.....	P. W. Clement.....	Printing and offices.....									Needless alarm.	
Oct. 24	Box 74.....	6.40 p. m.	West street.....	Wood.....	F. Chaffee's Sons.....	Lumber shed.....	600 00	2,000 00	855 00	566 49	500 00	1,700 00	385 00	566 49	Unknown.	
Nov. 16	Box 53.....	5.35 a. m.	Union street.....	Wood.....	F. R. Patch & Co.....	Dwelling.....	1,200 00	400 00	148 80	150 00	1,000 00	900 00	148 80	*150 00	Incendiary.	
Dec. 16	Box 25.....	8.17 p. m.	No. Main street.....	Wood.....	G. W. Smith.....	Dwelling.....	1,400 00	500 00	25 00		1,200 00	None.	25 00		Stove pipe.	
Dec. 17	Box 19.....	1.41 a. m.	State street.....	Wood.....	John Holmes.....	Store house.....	150 00	450 00	150 00	450 00	200 00	300 00	*150 00	*300 00	Incendiary.	
Dec. 17	Box 31.....	4.08 p. m.	Strong's avenue.....	Wood.....	F. Chaffee's Sons.....	Barn.....	425 00	66 00	425 00	66 00	600 00	150 00	425 00	66 00	Burning grass.	
Dec. 18	Box 31.....	6.18 p. m.	Strougs avenue.....	Wood.....	F. Chaffee's Sons.....	Barn.....									Needless alarm.	
ALARMS: Bell..... 29							Total—Building.....		\$152,600 00		\$ 20,104 05		\$113,950 00		\$ 16,604 05	
Telephone..... 3							Total—Personal.....		\$129,491 60		\$ 25,585 86		\$ 75,850 00		\$ 20,335 86	
Still..... 3																
Total..... 35							Grand Total—Building and Personal.....		\$282,091 00		\$ 45,689 91		\$189,800 00		\$ 36,939 91	

\*Estimated Loss.

## REPORT OF THE Fire Marshal.

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*To the Honorable City Council:*

As in former years, the work of this department has been, chiefly, to remove the causes of fire, and as I review the work done, and compare the condition now with that of a year ago, much improvement is noted.

The property owners and tenants have shown a better disposition to adopt our suggestions to remove their rubbish and other causes where the danger from fire was apprehended, and to improve their risks. From several we have received the assurance that the general condition is much improved, and I am also told by insurance adjusters that the tone of risks, as compared with that of two years ago, is noticeable and favorable. This leads me to hope that the taxpayers may, in the near future, be benefited with a substantial decrease in their rates of insurance, and this is what every member of your department is working for. Some, though I am glad to say not many, of those who keep their surroundings free from rubbish have seen fit to criticise me for not taking a different course and compelling each one to do as they did; but while your ordinances would bear me out in this, yet I have felt unwilling to antagonize any one, deeming it the better way to talk with them in a friendly manner, believing more good could be accomplished than by making them costs.

The accumulation of hay, straw, paper and other rubbish is still a serious question, and as I have for a year advocated, and still believe the correct solution to be for the city to remove at their expense, and at least twice each week from the fire district, all accumulations of combustible material and garbage, from receptacles provided by the occupants, and in so doing the risk of fire would be greatly decreased, and from a sanitary standpoint would be invaluable. The expense could not be large, possibly 1 per cent of the valuation, and the investment from any standpoint would pay many times over. Against such a course the objection might be raised by those having interests outside the fire district that the expense should not be borne by the city, as they should not be made to bear their proportion of such expense where they received no benefit, but we are a community more or less dependent upon each other, and if we can do anything to lower the rates of insurance they will be benefited.

During the past year we have been annoyed with several fires which were without doubt of incendiary origin, and while much time has been spent in investigating these, yet we are not in a position to report the actual progress made, though I may say it is probable that a little later satisfactory reports may be made of our progress. During these investigations the suggestions of your chief engineer and Deputy Sheriff Stearns and the assistance received from them has been of great value to us, and is appreciated.

As a rule, the party guilty of arson has one of two motives in view, revenge or a desire for gain, and the evidence gathered regarding past acts of incendiarism leads us to believe the desire to effect a sale of their property at a high figure has been the true cause, and while they should be punished, if detected, yet we should not

hold blameless the insurance agents who will write \$1000 of insurance where property value of only \$500 exists, simply for the little premium they may get from the transaction. It is my belief that many policies are written by agents where no personal investigation of the values of the property to be insured is made; and, too, I believe the agents should be more careful in writing risks for parties who have had several mysterious fires, as the moral hazard should be taken into consideration, and the agent who will not use the same care that he would in any other business not only does the company he represents an injustice, but the city a still greater one.

With the improved condition of property, and with the harmony existing in the fire department, there is no reason why there should not be a substantial decrease in the rates of insurance. I hope this will come, for to save in this direction is what we have been working for.

Respectfully submitted,

C. L. ROBINSON,

Fire Marshal.



## REPORT OF THE Chief of Police.

*To the Honorable City Council:*

GENTLEMEN:—I have the honor to herewith submit my third annual report, as Chief of Police of the City of Rutland, for the year ending January 1st, 1897.

### ARRESTS BY POLICE OFFICERS.

Whole number of arrests . . . . .	235
Males . . . . .	232
Females . . . . .	3

### CAUSES OF ARRESTS.

The various causes which led to these arrests, and for which the delinquents were subsequently arraigned, were as follows:—

Intoxication . . . . .	111
Selling and keeping liquor with intent to sell . .	76
Furnishing liquor . . . . .	27
Breach of the peace . . . . .	6
Petty larceny . . . . .	1
Grand larceny . . . . .	3
Rape . . . . .	1
Fast driving . . . . .	2
Non-support of family . . . . .	1
Burglary . . . . .	1
Tramps committed to the House of Correction .	6
Total . . . . .	235

### INVENTORY OF POLICE PROPERTY.

1 Roll-top desk.
1 Record book.
250 Blanks for monthly statements.
2 Tables.
6 Splint-bottomed chairs.
6 Mattresses.
4 Pairs of hand-cuffs.
5 Police billies.
5 Regular police badges.
22 Special police badges.
5 Police caps.
6 Police helmets.
6 Police twisters.
1 Hair broom.
1 Feather duster.
1 Mop.
2 Slop-pails.
3 Cuspidores (China).
1 Snow shovel.
6 Uniform overcoats.

### ACCIDENTS AND DISTURBANCES.

During the period covered by this report, the police have rendered assistance at seventeen accidents, have quelled disturbances and dispersed crowds twenty-nine different times without making arrests.

### TRAMPS AND VAGRANTS.

Notwithstanding the fact that the legislature two years since provided a severe penalty to be imposed on all transient persons known as tramps or vagrants, yet there have been twenty-nine persons who have applied at the police station for lodging for the night. This has been furnished them, and no complaints having been made no sentences were imposed.

## PROTECTION OF PROPERTY.

In thirteen different cases goods have been found outside our city stores by the police and the same has been promptly delivered to their owners. The front doors of the stores have been found unlocked nineteen times, while there are twenty-three cases where the back doors have been discovered in a like condition. In all such cases the proprietors have been notified of their neglect and their places of business have been made secure.

## STREET OBSTRUCTION.

For the period covered by this report there has been little complaint regarding this, at times, vexatious difficulty. Pedestrians recognize the justice of such police restrictions as have been made to give to all a free and unobstructed sidewalk. This is also due in a large degree to the increase of our police force during the past summer, and a regularly organized beat for each patrolman. It is, however, recommended for your consideration that some of our city merchants be instructed to refrain from blockading the front and sides of their stores with boxes, barrels, etc. These are a constant menace to the clothing of all passers-by, and on special days, when there is a large influx of visitors in our city, makes walking very difficult. Repeated attempts on the part of the police force have thus far proved unavailing in securing the conviction of those who thus violate a city ordinance.

## JULY FOURTH.

It affords me pleasure to report no substantial cause for complaint on the last Fourth of July. The juveniles who celebrated the last birthday anniversary of our independence from foreign rule, used good judgment in nearly every case, exercising commendable care in the use of explosives, thus securing life and property and making

life at least endurable. In this connection, I would respectfully recommend, as I did in my report of last year that, as soon as possible, a suitable playground for boys may be secured, whereon they can indulge in games and celebrate all holidays, free from molestation. Of this recommendation, I cannot speak too earnestly. It is a positive necessity. Celebrations of such a nature, when conducted on city thoroughfares must necessarily be restricted, if not absolutely prevented. We boast of American freedom, and teach our children its origin, its growth and its benefits. What better way to encourage patriotism among our city youth, than to provide a place where they can indulge in boisterous celebration on "Independence day" where their environment will permit such celebration without danger to the life or comfort of our citizens?

## OUR FORCE.

With the growth of any city, crime invariably increases, and hence the guardians of a city's safety must be numerically strong to cope with the emergency. During the past year, there has been but one burglary. This immunity of our city from this particular class of crime is due wholly to the fact that our force was increased during the summer. I urgently ask that for the year ensuing, the force may be increased by at least two more men. The circumstances sufficiently warrant this increase. The regular police force in the city today, consists of only six men. It is a wonder that more serious crimes were not committed last year, and only for the efficiency of the patrolmen in charge, and their assumption of a double duty, with no extra remuneration for such faithful service, serious crimes could not have been averted. Furthermore, in addition to these duties, we have served warrants, posted houses wherein were contagious diseases, and in every way assisted the health officer in the performance of his important duties, even

to the partial neglect of those of our especial office. In this matter of a necessary increase of our police force for the ensuing year, too much cannot be said in its favor. It is a subject of vital interest to every citizen and property owner in our city, and if neglected, will, sooner or later, foster all kinds of crime, and endanger the lives and property of our people.

#### ANOTHER URGENT NEED.

Again, as in last year's report, your Chief would commend a long distance telephone for Police Headquarters. Heretofore, we have had to use telephones for the most part located outside the building, and as much of the information imparted is of a nature which should only be received at headquarters, where every other facility is at hand for the apprehension of criminals, the necessity of such an improvement should be easily apparent. Last year I laid particular stress on this matter, yet it was absolutely ignored. Even in cities of less than ten thousand inhabitants, all over this broad land, there are no police headquarters which are not properly equipped with telephonic service. Its expense, when viewed from its important service, is trivial, and it seems surprising that in view of this matter, the honorable Board have thus far refused to recognize the importance of this suggestion.

#### A MORE LIBERAL APPROPRIATION.

I would also most urgently recommend to the honorable Board a more liberal appropriation for the proper support of the Police Department. Despite the appropriation of last year, the expense has exceeded it, although the strictest economy has been exercised. To properly support our department, with eight regular men, will necessitate an annual appropriation of at least \$5000, and this sum will merely pay for actual service at the rate of

less than two dollars a day. To any citizen of public spirit, who takes a proper pride in the support of our department, this appropriation is most reasonable.

#### CONCLUSION.

Through the courtesy of your honorable Board, we have been provided with suitable headquarters and overcoats for winter service. This is keenly appreciated, and for these favors accept our united thanks.

To our special policemen I wish to return thanks for their ever prompt and ready assistance rendered when necessary. I also desire to express to the regular patrolmen under my immediate charge my gratitude and appreciation of their efficiency of service. To their able lieutenancy is due the suppression of much crime, which would fill our police blotters with many more names than now appear, and their discernment and good judgment in making arrests is daily more and more apparent.

To our sheriff's department I also wish to tender grateful appreciation for much assistance in the apprehension of criminals and for valuable advice.

Respectfully submitted,

T. C. ELWORTH,

Chief of Police.

## REPORT OF THE COMMITTEE ON

# Charities and Corrections.

*To the Honorable City Council:*

Your Committee on Charities and Corrections herewith present their report for the year ending December 31st, 1896.

During the year the only expense beyond ordinary repairs at the City Farm was caused by the wind storm of February 5th, 1896, which necessitated an outlay for repairs of buildings, as hereinafter stated.

It has been the aim of your committee to administer the affairs of this department in a careful and economical manner, curtailing expenditures in every way consistent with the proper care, keeping and comfort of those compelled to seek City aid, having ever in mind the health of inmates at the City Farm and the preservation of the City's property.

Owing to the continuing hard times a larger number of unemployed are within our City than at any year since the City's incorporation. These additional cares have devolved largely on the Overseer, who, we feel, has attended to all worthy and deserving applicants in a kind, careful and judicious manner.

A resolution embodying a plan which would relieve this department in a marked degree was introduced

by your committee during the past year, but failed of passage. Said plan was, in effect, that the heads of the Street, Water and Poor Departments confer oftener, so that people living on the bounty of the City be given employment in said departments in preference to those not in actual need, saving in this manner a large amount annually to the taxpayers.

The statement of the Committee on Finance shows that the expenses of the department have amounted to \$9,192.62, while the Overseer's report places the expenses at \$8,394.70, making a difference of \$797.92, which is accounted for as follows:—

Hathorn & Prouty, provisions for D. A. Hilliard.....	\$ 21 32
Mary A. Currier, nursing D. A. Hilliard.....	31 50
Coates & Sawyer, provisions for D. A. Hilliard.....	7 90
B. K. Houston, repairing buildings at City Farm after storm.....	257 00
Geo. E. Pelton, printing blanks.....	15 00
Dr. C. W. Strobell, services.....	130 61
Banquet House, care of pauper.....	3 75
Town of Proctor, judgment.....	45 03
Dr. J. J. Trudel, attending pauper.....	5 00
Dr. H. L. Newell, City Physician's salary....	105 00
E. E. Crawford, agent, freight bill.....	1 10
W. C. Landon, water tax on Hospital.....	15 75
W. L. Davis, abated water taxes.....	29 00
W. D. Lane, plants for City Farm.....	3 60
E. D. Keyes, provisions.....	10 50
Fred Ranger, wood for H. B. Reed.....	6 00
M. S. Denio, provisions for H. B. Reed.....	16 12
Bucklin & Fuller, provisions for H. B. Reed	6 00
Shoes and clothing for children to attend school.....	87 74
Total.....	\$ 797 92

The service of H. L. Newell, M. D., as City Physician, and James Beattie, as Overseer of the Poor, have been eminently satisfactory.

Respectfully submitted,

J. W. BRISLIN, } Committee on  
H. A. SAWYER, } Charities and Corrections.

## REPORT OF THE

## Overseer of the Poor.

*To the Honorable City Council:*

GENTLEMEN—In accordance with the Ordinances of the City I herewith submit the annual report of the Overseer of the Poor, for the year ending December 31, 1896.

My report states the number of persons assisted during the year, their names and nationalities, and the total amount of assistance received by each, as required by the ordinances. The Tables, and statistics are made up in the same general form as in previous years.

## THE INSANE POOR.

Seven insane persons have been committed to the Insane Asylum in this State, at the expense of the City. This is an increase of two over the previous year. Their names, nationalities and ages are as follows:

NAMES.	NATIONALITIES.	AGES.
Miss Eudora A. Davis.....	American.....	28
Mr. Sidney E. McIntire.....	American.....	24
Mr. George Brown.....	American.....	54
Mr. Ruel B. Gary.....	American.....	26
Mr. Thomas Joyce.. . . .	Scotch.....	42
Mr. Michael Gilman.....	Canadian.....	54
Mr. Patrick Hickey.....	Irish.....	42

Two persons, Michael Gilman and Patrick Hickey, were taken to the Asylum January 2nd, 1897. They are

reported as being at the City farm on January 1st, 1897. The reason for this is that their commitment papers were dated December 31, 1896, but they were not taken to the Asylum until January 2, 1897.

## INMATES, ETC., AT CITY FARM.

The average number in 1896 at the City farm was 36; in 1895 it was 32; January 1st, 1897, there were 28 inmates, two of which were children.

## NAMES, NATIONALITIES AND AGES OF THE INMATES AT THE CITY FARM, JANUARY 1, 1897.

NAMES.	NATIONALITIES.	AGES.
Frank Danslo.. . . .	Canadian French.....	29
John Sullivan... . .	Irish . . . . .	72
Elmer Bond.....	American . . . . .	23
Benjamin Ellis.....	American . . . . .	8
Charles Farmer.....	American . . . . .	6
David Dugan.....	Irish . . . . .	69
Charles Hercht.....	German . . . . .	69
Allen Taylor.....	American.....	28
Charles Lumbert.....	American . . . . .	50
Isaac Gibson.....	American . . . . .	76
Patrick Hickey. . . . .	Irish . . . . .	41
Michael Gilman.....	Canadian French . . . . .	54
Mrs. Michael Daughan.. .	Irish . . . . .	90
Mrs. Isaac Lewis.....	American . . . . .	58
Mrs. George Ellis and child.	American . . . . .	34
Mrs. Ann Harrigan.....	Irish . . . . .	63
Mrs. John Corbett.....	Irish . . . . .	70
Mrs. John O'Donnell. . . .	Irish . . . . .	71
Mrs. Ellen Sammon . . . .	Irish . . . . .	67
Mrs. Mary J. Taylor.....	Colored American . . . . .	80
Miss Sarah Ellis.....	American . . . . .	12
Mrs. Martha Bowen.....	American . . . . .	76
Lulu Wickham and child...	Colored American . . . . .	19
Mrs. Emily LaClair.....	French . . . . .	48
Mrs. Henry Tucker.....	American . . . . .	24
Miss Mary Tucker.....	American . . . . .	2

NAMES, NATIONALITIES AND AGES OF THOSE WHO HAVE  
BEEN DISCHARGED FROM JANUARY 1, 1896, TO  
JANUARY 1, 1897, TOGETHER WITH  
REASONS FOR DISCHARGE.

NAME.	AGES.	NATION- ALITIES.	REASON FOR DISCHARGE.
Walter Osborn.....	42	English....	To live with his family
Michael Flanery.....	73	Irish .....	Found work in City.
George Townsend....	12	American... Found work with farmer	
Mrs. Geo. Sadler .....	36	American... Left the City.	
Miss Susan Jenkins...	17	American... Went to Boston, Mass.	
W. H. Dibbles.....	31	American... Went to Middlebury, Vt.	
Peter Johnson.....	51	Dane.....	Went to Scranton, Pa.
John Edwards.....	41	English....	Back Albany Poor House
Peter Poulin. ....	35	French.....	Found work in Ira, Vt.
Miss Kittie Fagan....	87	Irish.....	Went home to live.
James McDonough...	30	American... Found Employment.	

There have been three deaths during the year at City Farm, as follows:

NAMES.	NATIONALITIES.	AGES.
Stephen Reynolds.....	American .....	77
Mrs. Febia Giddings.....	American .....	76
Martin Murphy .....	American .....	39

Four deaths occurred outside the City Farm, where the expense of burial was paid by the City, as follows:

NAMES.	NATIONALITIES.	AGES.
Mrs. Jane Caroline Reed....	American .....	86 yrs.
William Knipes' child.....	American .....	6 mos.
Mary A. Porter's child.....	American .....	5 wks.
Joseph Yando.....	American .....	40 yrs.

MONEYS COLLECTED AND PAID INTO CITY TREASURY.

I have collected and paid into the City Treasury from different sources, as follows:—

John C. Shippey, cow pasturing.....\$ 10 00

Wm. H. Peryea, potatoes sold.....	6 25
Sale of Mrs. H. B. Reed's stove.....	10 00
Calves sold from City Farm.....	13 00
Town of Swanton, Vt., for Mary A. Porter...	12 00
Town of Rochester, Vt., for Elwin Tabor and family.....	25 00
Town of West Rutland, Vt., credit on bills for Gleason and Elliot families.....	17 40
Town of Shrewsbury, Vt., for Wm. Holden and Ephriam Smith.....	13 00
Town of Rochester, Vt., for Elwin Tabor.....	20 00
Jewett P. Cain, guardian, board Kittie Fagan	34 73
Total .....	<u>\$161 38</u>

I have received credit on bills against the City for produce sold from City Farm to the amount of \$35.98.

There are claims due the City of Rutland as follows:—

From town of Proctor for Mary Malone.....	\$ 4 00
From town of St. Albans for Mrs Jas. Howley.....	210 00
From town of St. Albans for Pascal Drowns....	6 50
From town of St. Albans for J. A. Woodward and W. Burns.....	2 35
From town of Orwell or Middlebury for Jennie Cook and son, Edwin Cook.....	134 59
From town of West Rutland for Wm. Elliot.....	33 85
From town of West Rutland for Michael Gleason and aunt.....	54 90
From town of West Rutland for Edward Breen.....	10 00
From town of Rutland for Mrs. Dennis O'Neal.....	3 50
From town of Rutland for Mrs. Henry Tucker and child	43 52
From town of Chittenden for Mrs. Mary Rivers...	26 97
From town of Chittenden for Mrs. Julia Troumbly.....	817 48
From town of Bridport for Mrs. Marshal Broughton.....	17 00
From town of Mendon for Stephen Reynolds.....	330 00
From town of Mendon for George Dursha.....	5 00
From town of Pittsfield for Mrs. Daniel H. Brown.....	11 16
From John C. Shippey for cow pasturing.....	30 00
From Theodore Southard for cow pasturing.....	10 00
From Freeman E. Baird for George Townsend.....	69 80
From Barney Wynn for support and burial of child.....	20 50
From Michael Cain, jr., for cow pasturing.....	10 00
Total.....	<u>\$1851 12</u>

These claims are justly due the City and should be at once collected. Most of the above is for moneys paid out by this City for the care, aid and assistance of paupers chargeable to the different towns. The law requires the Overseer to relieve all poor persons in the City, and if they are chargeable to other towns, to notify the towns, and the towns are then liable for whatever sums the Overseer properly expends.

I have given notices to all the above towns, but they seem to want to get rid of paying as long as they can.

Vigorous measures should be taken to make these towns pay their just obligations in regard to the paupers. Many other towns have been notified by me, but when notified, either took the paupers away and paid up, or else made satisfactory arrangements for their support.

#### COST OF THE POOR.

The total expense during the year shown by each month is as follows :—

January.....	\$ 828 80
February.....	921 92
March.....	943 51
April.....	766 43
May.....	578 59
June.....	554 56
July.....	478 79
August.....	516 94
September.....	644 22
October.....	605 11
November.....	744 10
December.....	811 73
Total.....	<u>\$8394 70</u>

This is divided as follows :—

Outside poor.....	\$4701 32
City Farm.....	3093 38
Salary of Overseer.....	600 00
Total.....	<u>\$8394 70</u>

From the above amount there should be deducted the sum of \$161.38 collected and paid into the treasury as above shown. Also the amounts reported above as due the City should be collected and proper credit given on account of the expense of the poor.

Some years ago the town of Rutland took a deed of the H. B. Reed property on North Main Street, and after the death of Mr. and Mrs. Reed the town was to own the property. This property passed to the City and Mrs Reed died during the past year. This property, I understand, has been rented by the Aldermen, but the rent paid into the treasury. This property was bought by expenditures on poor account, and it now ought to be sold and properly credited to the Poor Account.

The number of persons assisted by me outside of the Farm, during the past year, has been 414.

#### NAMES, NO. IN FAMILY, NATIONALITIES AND AMOUNT RECEIVED BY POOR OUTSIDE CITY FARM, FROM JAN. 1, 1896, TO JAN. 1, 1897.

NAMES.	No.	Nationalities.	Amount.
L. H. Austin.....	1	French.....	\$ 8 75
Patrick Brown.....	2	Irish.....	3 00
R. L. Blue.....	6	American..	6 00
A. A. Blanchard.....	4	American..	10 00
Mrs. Alex. Bashaw.....	4	American..	135 00
Mrs. John Brislin.....	1	Irish.....	128 50
J. F. Bishop.....	2	American..	38 00
George Brown.....	1	American..	15 85
John Battles.....	4	Irish.....	5 00
Edward Breen.....	2	Irish.....	5 00
Marshal Broughton.....	2	American..	15 00
Mrs. Ellen Cronin.....	2	Irish.....	18 00
Mrs. D. J. Cocklin.....	1	Irish.....	62 00
Mrs. Mary Carrol.....	2	Irish.....	24 00
Mrs. W. F. Cook.....	6	American..	69 40
Patrick Casey.....	4	Irish.....	29 00
Vern Clark.....	3	American..	45 00
Mrs. Albert Channel.....	3	American..	24 00
Dan Chapman.....	2	American..	5 00
Mrs. Fred Cameron.....	3	American..	2 24

NAMES.	No.	Nationalities.	Amount.
Mrs. Rose Doyle.....	1	Irish	68 00
Mrs. Ellen Donovan.....	2	Irish	120 00
Mrs. W. M. Davis.....	4	American	14 75
Mrs. Archey Durham.....	4	American	8 00
Mrs. Julia A. Dewey.....	1	American	40 00
Mrs. William Devers.....	10	American	53 00
Mrs. Edora A. Davis.....	1	American	17 00
Lawrence Dunlap.....	4	American	16 00
William E. Dennings.....	4	American	5 00
M. A. Davis.....	3	American	10 00
Drowns children.....	8	American	6 50
George Dursha.....	5	French	5 00
Edd. Eaton.....	2	American	100 00
William Elliott.....	4	American	40 35
Fred Emery.....	3	American	16 00
John Edwards.....	1	English	2 64
Mrs. Margaret Fagon.....	4	Irish	18 00
W. W. Farrel.....	4	American	22 00
W. P. Foster.....	2	American	75 50
Fred Foster.....	4	American	18 00
Mrs. Alice Griffin.....	1	Irish	61 00
Michael Gleason.....	3	Irish	28 50
John W. Gardener.....	3	American	122 00
Mrs. Edward Garrow.....	6	American	82 00
Aunty Gleason.....	1	Irish	5 00
Ruel B. Gary.....	1	American	16 90
Gordon.....	1	American	1 35
Michael Gilman.....	1	French	11 00
Lee Gilman.....	5	American	11 50
Gleason, West Rutland.....	2	Irish	13 30
D. A. Hilliard.....	2	American	317 94
Mrs. Michael Hance.....	1	French	64 00
William Hinkley.....	5	American	25 00
Mrs. John Hanley.....	5	American	110 00
W. H. Holden.....	4	American	6 00
Mrs. Hannah Heath.....	2	American	5 00
Mrs. Maria Hodges.....	2	American	5 00
Patrick Hickey.....	1	Irish	11 00
Alden B. Jackson.....	4	American	3 00
Thomas Joyce.....	1	Scotch	11 90
Miss Susan Jenkins.....	1	American	11 18
Mrs. Elmle Johnson.....	1	American	7 00
Mrs. T. M. Jasmin.....	7	French	37 00
Herbert Kenney.....	5	American	7 40
William Knipes.....	5	American	14 25
Mrs. Michael Lyons.....	6	American	123 00
Joseph Lapan.....	3	French	96 00
Mrs. George Lardener.....	3	Irish	94 00
Mrs. Lucy LaRock.....	2	French	13 60
Lorette boy.....	1	American	2 43
Mrs. Prosper Lorette.....	1	French	63 00
Mrs. John Lloyd.....	3	Irish	30 00
Mrs. George Lamonda.....	3	French	10 00
Mrs. Elmira LaBounty.....	2	French	32 00
Mrs. William Lique.....	1	American	17 00

NAMES.	No.	Nationalities.	Amount.
Mrs. Henry Landers.....	4	American	5 50
Alvey Lamphier.....	5	American	5 00
Joseph Lique.....	8	American	18 80
Patrick Laskey.....	3	American	5 00
Mrs. Stephen Maher.....	6	American	105 00
Mrs. Thomas McGettrick.....	1	Irish	74 00
Mrs. Rose McDonough.....	1	American	5 00
Mrs. Terrence McLaughlin.....	6	American	115 00
George Mossey.....	3	American	43 00
John Martin.....	2	Irish	8 00
Sidney E. McIntire.....	1	American	19 50
Joseph Miller.....	1	American	1 00
Robert McNamara.....	4	Irish	24 00
Chas. Mailhoit.....	7	American	10 00
Mattie Nutting.....	4	American	28 00
Denis O'Shea.....	8	Irish	8 00
Tim O'Mara.....	2	Irish	64 55
Mrs. Napoleon Porter.....	7	American	143 00
Mary A. Porter.....	1	American	6 00
Mrs. Fred Page.....	4	American	24 00
Peter Poulin.....	1	French	6 50
Mrs. Frank Peacor.....	2	French	34 00
Douglas Potter.....	4	American	6 00
Edward Page.....	1	American	5 00
Mrs. Julia M. Rogers.....	3	American	63 00
Mrs. M. J. Race.....	3	American	43 00
Mrs. Jane Caroline Reed.....	1	American	82 57
Mrs. John Rafferty.....	4	Irish	107 00
Andrew Robillard.....	8	French	51 00
Gideon Reed.....	5	American	37 00
Miss Katie Ryan.....	2	Irish	10 00
Barney Reilley.....	3	Irish	7 50
William Reed.....	3	American	7 00
Alfred Rosseau.....	8	French	12 00
Max Raymond.....	8	French	2 25
Emelia Rice.....	1	American	11 00
Jane Stewart.....	3	American	6 00
G. W. Shelburn.....	3	American	96 00
Joseph Shortsleeves.....	6	French	80 00
Mrs. N. J. Sargent.....	2	American	8 00
Lyman Spafford.....	7	American	5 00
Mrs. William Squires.....	1	American	5 50
Mrs. W. E. Stanley.....	4	American	9 20
Mrs. Joseph Tatro.....	3	American	65 00
Mrs. W. O. Towers.....	1	American	34 00
Mrs. Henry G. Tucker & child.....	2	American	6 00
Elwin Tabor.....	3	American	50 00
Taft.....	1	American	3 31
Mrs. Cato Williams.....	1	American	65 00
Michael Waters.....	3	Irish	71 75
J. A. Woodard.....	4	American	1 00
Mrs. Briget Winn.....	1	Irish	22 00
William Wilson.....	1	American	8 00
George Winnie.....	6	American	4 10
Mrs. Joseph Yando.....	8	American	192 52

The hard times in 1896 increased my expenses. The number of outside poor assisted in 1896 was 53 more than in 1895, and the prospects of the winter are not encouraging. More people are out of employment in the City than ever before in my knowledge. Should business improve in the spring very many now dependent on the City for actual living needs will find employment. The hard times have driven many from other towns into the City in hopes of work which was not found.

The Farm buildings are in good condition and the land has been much improved by the large amount of manure drawn on.

Among the inmates of the City Poor House is an old gentleman whose children are amply able to take care of him. The matter is in the hands of the City Attorney to bring suit against the children.

The Committee on Charities and Correction have materially aided me during the past year, and to them I return my thanks.

All which is respectfully submitted,

JAMES BEATTIE,

Overseer of the Poor.

Rutland, Vt., Jan. 19, 1897.

State of Vermont, }  
Rutland County, } ss.

At the City of Rutland in said County, on this 19th day of January, A. D., 1897, personally appeared James Beattie and made oath to the truth of the foregoing report to the best of his knowledge, information and belief.

Before me,

EDWARD DANA,

Notary Public.

## REPORT OF THE City Physician.

*To the Honorable City Council:*

GENTLEMEN:—The following brief report is hereby submitted.

The present sanitary condition of the City Farm buildings, while not perfect and would admit of improvements, still is fairly good.

There has been one death only at the City Farm, an old lady aged 75, from general paralysis.

There have been no contagious diseases at the City Farm except three cases of scarlet fever. There has been about the usual number of chronic cases.

I think that the demand for medical care among city charges outside the City Farmhouse has been very largely on the increase.

Of these there have been three deaths. One consumption, aged 36; one membranous croup, aged 2; one typhoid malaria with hardening of the liver, aged 53.

Respectfully,

H. L. NEWELL, M. D.,

City Physician.

## REPORT OF THE Committee on Lights.

*To the Honorable City Council:*

Complying with your requirements we herewith present our reports for the year ending, December 31, 1896. Your committee have very little to report, as there has not been much done in this department for the past year. There has been several calls for new lights to be put in, in different parts of the city, and your committee thinks that some of these lights should be put in, in the near future.

We are of the opinion that the present lights are giving very good satisfaction, as we have heard but little complaint the past year.

Respectfully submitted,

H. F. NOYES,	} Committee
JAS. DOUGHERTY,	
A. P. FULLER,	
	on
	Lights.

## REPORT OF THE Inspector of Buildings.

*To the Honorable City Council:—*

GENTLEMEN:—In compliance with the laws and ordinances of the City, I submit a complete list of the building permits granted from January 1, 1896, to January 1, 1897.

Dwellings houses . . . . .	38
Addition to dwellings . . . . .	12
Dwellings repaired . . . . .	13
Barns built . . . . .	21
Sheds built . . . . .	17
Storage buildings . . . . .	3
Greenhouses . . . . .	2
Mills . . . . .	2
Workshops . . . . .	5
Blocks repaired . . . . .	5
Bill board . . . . .	1

Respectfully submitted.

GEO. E. CLARK,

Inspector of Buildings.

## REPORT OF THE Truant Officer.

*To the Honorable City Council:—*

Your Truant Officer begs leave to submit his report herewith:—

Number of families visited . . . . . 14  
Number of absentees reported . . . . . 16  
Number of children supplied with clothing 5

Respectfully submitted,

J. W. BRISLIN,

Truant Officer.



## REPORT OF THE City Liquor Agent.

*To the Honorable City Council:*

GENTLEMEN—I herewith submit my report for all the business done at the City Liquor Agency during that part of the past year from January 1st, to November 30th, at which time my term of office expired.

	Dr.	Cr.
January, to cash for liquor sales.....	\$ 519 96	
February, to cash for liquor sales....	528 12	
March, to cash for liquor sales....	480 00	
April, to cash for liquor sales.....	516 73	
May, to cash for liquor sales.....	515 18	
June, to cash for liquor sales.....	506 69	
July, to cash for liquor sales.....	541 87	
August, to cash for liquor sales.....	536 86	
September, to cash for liquor sales.....	538 79	
October, to cash for liquor sales....	541 74	
November, to cash for liquor sales.....	466 74	
To cash for casks.....	29 50	
To liquors on hand December 1st, 1896....	1,517 39	
By liquors on hand January 1st, 1896....		\$ 1,508 77
By liquors received of city.....		4,155 23
By salary, rent, freight, lights, fuel, etc....		1,105 63
By balance profit.....		465 94
	<u>\$ 7,235 57</u>	<u>\$ 7,235 57</u>

To cash for liquors.....	\$ 5,688 68	
To cash for casks.....	29 50	
By paid city treasurer.....	<u>\$ 5,718 18</u>	<u>\$ 5,718 18</u>

## PROFIT AND LOSS ACCOUNT.

To liquors on hand January 1st, 1896.....	\$ 1,508 77	
To liquors received of city.....	4,155 23	
To salary, rent, freight, etc.....	1,105 63	
To balance profit .....	465 94	
By cash for liquors and casks.....		5,718 18
By liquors on hand December 1st, 1896....		1,517 39
	<u>\$ 7,235 57</u>	<u>\$ 7,235 57</u>

Respectfully submitted,

H. C. TOWER,

City Liquor Agent.

December, to cash for liquor sales....	\$ 625 23	
Liquors on hand January 1, 1897.....	2,147 41	
By liquors on hand December 1, 1896.....		\$ 1,517 39
By liquors received of city.....		1,088 04
By salary, rent, freight, etc.....		103 53
By balance profit....		63 68
	<u>\$ 2,772 64</u>	<u>\$ 2,772 64</u>
To cash for liquors.....	\$ 625 23	
By paid city treasurer.....		\$ 500 00
By cash due city January 1, 1897.....		125 23
	<u>\$ 625 23</u>	<u>\$ 625 23</u>

## PROFIT AND LOSS ACCOUNT.

To liquors on hand December 1, 1896 .....	\$ 1,517 39	
To liquors received of city.....	1,088 04	
To salary, freight, rent, etc.....	103 53	
Balance profit.....	63 68	
By cash for liquors.....		\$ 625 23
By liquors on hand January 1, 1897.....		2,147 41
	<u>\$ 2,772 64</u>	<u>\$ 2,772 64</u>

E. H. WOOD,

City Liquor Agent.

REPORT OF THE  
Superintendent of Schools*To the Honorable City Council:—*

GENTLEMEN:—Herewith I have the honor to present to you my third annual report as Superintendent of the Public Schools of the City of Rutland. The work in the schools during the year has been of the usual character, and in connection with it no special features call for any particular mention. It is right, however, to say that steady and earnest efforts have been made, in all the different branches and departments of our schools, to achieve better results than at any previous time. Particular endeavors have been made to consider the faculties of the pupils individually, and this, I may well say, if persisted in, will undoubtedly raise the standard of our schools and make the work in all the branches more effective than heretofore. It has also been the constant aim to make school management, methods and instruction conform more closely to the nature of the children placed in the care of the teachers.

## ATTENDANCE.

During the winter and spring terms the school attendance was diminished very much by the prevalence, to a greater degree than usual, of various forms of illness among the children. Nevertheless, in ascertaining the aggregate attendance for the year, it was found, that in spite of these unfavorable conditions, that there

was an increase of one hundred and forty-one days over last year.

The regularity of attendance in our schools is not what it ought to be, especially in the middle grades, and for this, in a measure at least, it seems that the parents of the absent children may well be held responsible. To obtain all the benefits reasonably to be expected from the Public Schools, the pupil should, as much as may be possible, endeavor to attend regularly each session of the school. An absence from school of a day or more will always result in damage to the pupil's progress in the work laid out, and will retard the normal advancement in the course of studies. This absence, if occurring repeatedly, also causes the pupil to lose a good share of the needed interest and zeal in the work, and the persistency of the pupil's efforts is much diminished and obstructed. In many cases great harm is sure to result, which even the best teacher will find difficult to overcome.

Frequent absences prevent the forming of right habits, and if the often absent pupil is not up with his class in his studies, the case is much more aggravated. The teacher endeavors faithfully to maintain regularity of attendance, and it is a part of her duties to hold any child strictly to account for absence and tardiness. Her constant endeavor is to create the feeling in the pupil that only for very important reasons should there be a failure on his part to be in his place. In too many instances, however, the teacher's efforts find but little support from the parents or guardians of the children. It happens frequently while attempting to raise the standing of some pupil that her endeavors are counteracted by the parent's consent, for trivial reasons, to the absence of the pupil from school for a day or two, or even longer. This is not the place to debate the right of

parents or guardians to determine the child's absence, but I urge with great earnestness that the parents realize the importance of regularity for reasons just stated. They should treat with great discretion the matter of allowing the child to remain away from school, and to cause the child to look upon it as a duty to attend punctually all the sessions of the school.

#### COURSE OF STUDY.

As noted in the report of last year some changes have been made in the course of study. The work of the several grades has been more exactly defined and a stronger relation between the consecutive school years has been established. The most eminent school men are agreed that the course of study below the High School should be broadened and amplified by the addition of elementary work in algebra, geometry and science, and work in some other language than English alone. It has been planned that in our schools some work in science will be actively begun the coming spring. With another year it is hoped to begin elementary algebra and geometry during the last half of the ninth grade, and to give those of this grade who eventually desire to pursue a classical course in the High School, the opportunity of taking a full year in Latin. A place for these new studies will be made partly by a better arrangement and a closer correlation of the work and partly by curtailing some of the other studies. Trivial detail and unimportant facts in geography may be omitted; map questions, the exact bounding of states and countries, and the location of the less important cities and rivers will receive less attention than formerly, while industrial and commercial geography and the elementary facts of physical geography will be made more prominent. By this plan the work will be broadened in the more im-

portant elements. This will cause essential facts to stand out more strongly, and as a result these will be better memorized, while much time is gained for work in other branches. It will apply also to arithmetic to even a greater extent; some of the subjects and many of the problems are of little or no practical value to the pupils and may well be omitted and the time gained applied to algebra and geometry.

#### TEACHERS.

How to secure and retain the best teachers is the perpetual and perplexing problem, and only the proper solution of it insures the success of all our efforts in education. The teacher may well be called the heart and soul of the school. Upon the teacher depend its life and power. If the teacher lacks high moral character, the power of personal influence, common sense, the ability to impart knowledge or good practical training, the school will fail to accomplish its purpose in exact proportion to the teacher's shortcomings. Given these qualities and the highest success is certain, irrespective of material surroundings. We can get along with poor and crowded buildings, with meagre or ill-adapted appliances, with more than ample courses of study or the reverse of them, but good teachers are indispensable. There are now about fifty teachers, including specials and substitutes, in the employ of the city. Of this number the great majority are graduates of our High School, and of the remainder comparatively few have had any special training. Heretofore it has not been considered necessary to have for our teachers only those with special training. The graduates of our High School, knowing that such training was not required, have usually not considered it essential to devote any time to it.

It is frequently claimed that those who have received their schooling and education in a certain town or city should have preference in the selection of the teachers for the schools in such town or city. This claim is supported on home rule lines to some extent. In other words, I have paid my taxes and contributed otherwise more or less to the material success of the place in which I live; consequently it is but right and proper that my children, having finished their studies in the High School and having been granted a diploma, should be considered first in the selection of the teaching force of the schools, and competition from persons educated elsewhere shut out. There cannot be any objection to the claim that preference for home talent should, as far as advisable and beneficial, govern the selection of teachers. But the question of fitness and ability should most assuredly also be considered. Especially do I urge care and consideration in the filling of vacancies in the ranks of the teachers of the primary schools. Often it is thought that on account of the age of these children, the qualifications of teachers are not so much an essential feature and that it is very easy work to teach and manage such a school. This is a grave mistake. As these schools constitute the basis of our whole system of public instruction, they are absolutely of the first importance and their efficiency should be most carefully assured and guarded.

It ought to be taken into consideration that the public schools are supported wholly for the good of the children who attend them, and not for the benefit of the teachers who teach in them. It should always be taken into account that no one has any claim to the position of a teacher, if not equipped for it by thorough training or actual experience. The progress of our schools ought not to be interfered with by the engagement of teachers

who are neither competent nor otherwise adapted for the work.

#### PENMANSHIP.

Realizing the value of acquiring a rapid, legible handwriting as an essential part of every child's education, an earnest endeavor has been made to arouse greater interest in this respect among the teachers. Writing lessons did not, for some years, form an important part of the school work in the schools of Rutland and the penmanship as a result of this omission was poor in all the grades. I think that writing should not be any more neglected than any of the fundamental branches. The ability to write a plain and legible hand is of great value. One of the usual necessary qualifications for a young man's employment in a mercantile house is good penmanship. A poor handwriting has hindered the promotion and success of many a clerk, while plainness and legibility of penmanship combined with rapidity have certainly secured the advancement of others. During the past year the supervision of writing has again been in charge of Mr. E. D. Snow, as an addition to his duties as instructor of the Commercial department of the High School. Although Mr. Snow has only been able to give a limited part of his time to this work, he has nevertheless, carried it on with his usual energy and zeal and as a result of the introduction by him of a number of radical changes in method, has achieved many good results.

All work sent in for inspection is preserved and it is hoped to exhibit the same at the next County Fair. Our citizens will in this way have an opportunity to observe the progress that has been made, as it will be so arranged, that the work of last year may be compared with this year's work.

#### SCHOOL EXHIBIT.

The second exhibit of school work in connection with the Rutland County Fair, was held last September in the public school building at the Fair Grounds. It was the most complete exhibit of school work ever attempted here. It consisted of work by the pupils, in arithmetic, geography, language, music and drawing, including the usual applications of form study carried out with the aid of clay, sticks and models. A great number of visitors examined this exhibit and many expressions of approval and admiration for the work of the children were heard. Mr. W. E. Cochrane of the Prang Educational Co., Boston, Mass., and Supt. W. W. Howe of the public schools of Whitehall, N. Y., acted as judges.

It may perhaps not be possible to arrange for such an exhibit every year, and it is contemplated for this reason, to make use of the best of this year's work as a nucleus for exhibition purposes in the future and to add to it from time to time. In this way, there will be eventually a complete representation of the work of our graded schools.

A great impetus would be given to the work, if some of our school buildings contained a hall, in which work could be exhibited from time to time. It would tend to make school work more interesting to all concerned and would stimulate teachers to obtain the best results from the pupils in their charge. It certainly would bring about a friendly and healthy competition between the different schools and allow teachers to observe the work accomplished in other schools. If pupils knew that their work would be exhibited, they would strive hard to have it reflect as much credit as possible upon their own school.

Respectfully submitted,

ALFRED TURNER,

Superintendent of Schools.

Rutland, January, 1897.

# REPORT OF THE Rutland Free Library.

## OFFICERS FOR 1896.

### EXECUTIVE COMMITTEE.

MRS. JULIA C. R. DORR, PRESIDENT.

MRS. W. A. PATRICK, }  
MRS. L. G. KINGSLEY, } VICE-PRESIDENTS.

MRS. EDWARD DANA, SECRETARY.

MRS. J. W. CRAMTON, TREASURER.

### DIRECTORS.

MRS. J. B. PAGE,                      MRS. C. A. GALE,  
MRS. CHAS. H. WEST,    MRS. A. DE L. ROSS,  
Miss SUSAN AIKEN.

### AUDITOR.

MRS. GEORGE R. BOTTUM.

### LIBRARIAN.

MISS MARY L. TITCOMB.

### ASSISTANT.

MISS LUCY D. CHENEY.

### BOOK COMMITTEE.

MR. EDWARD L. TEMPLE, CHAIRMAN.

MRS. JULIA C. R. DORR, MRS. EDWARD DANA,  
MRS. CHAS. P. HARRIS, MR. HENRY F. FIELD.

## NAMES OF MEMBERS OF THE ASSOCIATION FOR 1896.

Aiken, Misses	Montgomery, Mrs. Geo. K.
Bates, Mrs. H. M.	Patrick, Mrs. W. A.
Bates, Miss C. L.	Perkins, Mrs. C. A.
Bates, Mrs. A. C.	Pierpoint, Miss J.
Brown, Dr. A.	Pollard, Mrs. B. F.
Caverly, Mrs. C. S.	Prout, Mrs. John
Chalmers, Mrs. Geo. E.	Quinn, Mrs. M.
Cramton, Mrs. J. W.	Ripley, Mrs. W. Y. W.
Davis, Mrs. A. F.	Ross, Mrs. A. De L.
Dorr, Mrs. J. C. R.	Ross, Mrs. C. E.
Farmer, Mrs. A. H.	Ross, Mrs. J. W.
Fay, Mrs. J. J.	Roys, Mrs. L. E.
Field, Mrs. H. F.	Rust, Mrs. H.
Gale, Mrs. C. A.	Silliman, Mrs. G. L.
Gary, Mrs. F. W.	Smith, Miss H. B.
Higgins, Mrs. A. W.	Smith, Mrs. W. H.
Humphrey, Miss Julia P.	Taylor, Mrs. M. B.
Hyde, Mrs. A. W.	Tuttle, Mrs. A. H.
Keyes, Mrs. E. D.	Tuttle, Mrs. H. C.
Kingsley, Mr. H. B.	Wardwell, Mrs. Geo. J.
Kingsley, Mrs. L. G.	Weed, Mrs. M. E.
Kingsley, Mrs. N. P.	Wellington, Mrs. P. S.
Lawrence, Mrs. Geo. L.	West, Mrs. C. H.
Marshall, Mrs. N. S.	Willis, Mrs. G. W.
Meldon, Mrs. P. M.	Woodfin, Mrs. J. N.
Mercure, Mrs. D. J.	Woodhouse, Mrs. G. W.

## REPORT OF THE LIBRARIAN.

Number of volumes in the library, February 1, 1896..	9,724
Increase by purchase.....	510
Increase by gift.....	4
Increase by binding periodicals.....	79
Total increase.....	593
Number of volumes lost and replaced.....	2
Number of volumes worn out and replaced.....	58
Number of volumes in the library February 1, 1897...	10,317
Circulation for 1896.....	59,350
Circulation for 1895.....	56,391
Increase in circulation for 1896.....	2,959
Number of cards issued to teachers during 1896.....	84
Number of cards issued to teachers during 1895.....	81
Number of books drawn by teachers in 1895.....	1,378
Number of books drawn by teachers in 1896.....	3,236
Increase in number of books drawn by teachers.....	1,958
Number of days the library has been open.....	302
Largest daily delivery of books, February 8.....	633
Smallest daily delivery of books, September 9.....	42
Average daily delivery of books.....	197
Amount received from fines, sale of catalogues, etc...	\$ 95 02
Amount received from association fees.....	55 00
Number of periodicals in the reading rooms, February 1, 1896.....	63
Discontinued during the year.....	0
Increase during the year.....	7
	70

Respectfully submitted,

MARY L. TITCOMB,

Librarian.

LIST OF PERIODICALS IN THE READING  
ROOMS OF THE RUTLAND  
FREE LIBRARY.

## MAGAZINES.

American Antiquarian.	Literary Digest.
American Architect.	Life.
American Machinist.*	London Graphic.
Arena.	McClure's.*
Art Amateur.	Magazine of Art.
Blackwood's Magazine.	Munsey.
Book Buyer.	Music.
Bookman.	New England Magazine.
Catholic World.	Nineteenth Century.
Century.	North American Review.
Chatauquan.	Outing.
Cosmopolitan.	Pedagogical Seminary.
Cosmopolis.	Peterson Magazine.
Critic.	Popular Science Monthly.
Forum.	Public Libraries.
Harpers Monthly.	Review of Reviews.
Illustrated American.	St. Nicholas.
Illustrated London News.	Scientific American.
Ladies Home Journal.	Scientific American (Builders' and Architects' Edition).
Lippincott's Magazine.	Scribner's Magazine.
Literary News.	The Strand.*
Littell's Living Age.	The Theatre.
Library Journal.	Youth's Companion.

## NEWSPAPERS.

Argus and Patriot.*	New York Sunday Tribune.
Barre Enterprise.*	New York Sun (Daily).
Bellows Falls Times.*	Boston Transcript (Daily).
Brandon Union.*	Rutland Herald (Daily).*
Brattleboro Reformer.*	Outlook.
Christian Register.*	Poultney Journal.*
Forest and Stream.	Publishers' Weekly.
Harpers Bazar.	St. Johnsbury Caledonian.*
Harpers Weekly.	St. Johnsbury Republican.*
Institute Journal.*	Vergennes Vermonter.*

Woman's Journal.\*

\*Represents periodicals given.

# Tabulated Statement of Circulation for 1896.

CLASS.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January.	Whole year.	Percentage.	1895	
															Whole Year.	Percentage.
Magazines .....	509	580	446	352	310	211	202	218	325	402	454	536	4545	7.63	3901	6.92
Theology .....	25	41	25	20	20	21	30	26	25	39	32	38	342	.58	224	.40
Miscellany .....	144	184	215	217	184	174	131	195	240	240	209	187	2320	3.93	1982	3.51
French .....	39	29	18	12	11	19	14	10	18	28	40	46	284	.48	302	.54
Fiction .....	3898	4063	3385	3037	3047	2958	2945	3025	3921	3607	3593	3998	41477	69.88	38981	69.13
Travel .....	379	362	270	219	201	126	145	177	273	264	226	258	2900	4.88	3186	5.65
Poetry and art .....	164	168	128	177	139	73	50	85	185	191	163	172	1695	2.85	1513	2.68
History .....	449	427	300	194	179	176	156	234	326	328	319	392	3480	5.86	3571	6.33
Natural science .....	211	177	188	144	143	94	85	104	120	122	139	146	1673	2.82	2245	3.98
Political and social science ..	46	54	47	26	39	36	29	30	78	97	68	84	634	1.06	486	.86
Total .....	5864	6085	5022	4398	4273	3888	3787	4104	5511	5318	5243	5857	59350	100.00	56391	100.00

ANNUAL REPORT

## Yearly Circulation from 1887 to 1897.

CLASS.	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	10 years.
Magazines .....	1573	1802	2043	3074	3330	3355	4070	4566	3901	4545	32259
Theology .....	61	92	54	86	145	117	176	288	224	342	1565
Miscellany .....	359	532	447	553	675	901	1269	1294	1982	2320	10332
French .....	730	581	572	344	292	223	207	349	302	284	8884
Fiction .....	20946	21350	20164	22360	25466	27805	32111	37229	38981	41477	287889
Travel .....	2745	2219	2151	2822	2348	2389	2434	2725	3186	2900	26009
Poetry and art .....	900	963	782	918	976	1093	1314	1406	1513	1695	11560
History .....	2192	2025	1743	2477	2555	2644	2832	3127	3571	3480	26646
Natural science .....	823	919	733	911	887	1060	1506	2037	2245	1673	12794
Political and social science ..	253	212	330	222	235	302	346	358	486	634	3378
Total .....	30582	30695	29019	33767	36909	39889	46265	53379	56391	59350	416256

CITY OF RUTLAND.

## TREASURER'S REPORT OF RUTLAND FREE LIBRARY.

From February 13th, 1896, to February 6th, 1897.

### RECEIPTS.

Balance on hand from last report.....	\$ 2,384 11
Appropriations.....	3,000 00
Fines, bulletins, etc.....	95 02
Association fees.....	55 00
Sundries.....	10 68
	<u>\$5,544 81</u>

### DISBURSEMENTS.

Salaries.....	\$ 1,108 37
Books.....	1,049 79
Binding.....	254 70
Printing and advertising.....	113 85
Incidental expenses.....	366 78
Balance.....	2,651 32
	<u>\$5,544 81</u>
Balance on hand.....	<u>\$2,651 32</u>

We hold as special funds the following:—

The Theo L. Smith trust fund.....	\$ 1,000 00
Accumulated interest to January 1, 1897...	40 40—\$1,040 40
The Joel B. Harris fund.....	652 44
Accumulated interest to January 1, 1897...	67 82— 720 26
The Seaver fund.....	300 00
Accumulated interest to February 1, 1897..	13 16— 313 16
	<u>\$2,073 82</u>

Respectfully submitted,

FLORENCE B. CRAMTON,

Treasurer.

I have examined the above accounts and found them correct as stated. Sustained by vouchers.

N. H. BOTTUM,

Auditor.

## REPORT OF THE City Attorney.

*To the Honorable City Council:*

Your City Attorney begs leave to submit this the annual report of the business of his office during the year ending December 31, 1896.

During the year the City has been involved in the following litigation:—

Town of Rutland vs. Town of West Rutland. Supreme Court. This case was heard at May term, 1896. The judgment of the County Court in favor of the defendant for its costs was reversed and judgment rendered in favor of the plaintiff for \$2,076 and costs.

The judgment has been satisfied by payment to the City of \$2,497.97.

No. 689. William Y. W. Ripley vs. Village of Rutland. Rutland County Court. This was a case for damage relating to the plaintiff by reason of the taking of water from East Creek by the Village of Rutland. This case was heard before a commission composed of O. M. Barber, A. Y. Gray and H. O. Peabody during the past year. Upon the report of the Commissioners the Court rendered judgment for the City to recover its costs, which costs were taxed and have been paid.

No. 692. John N. Woodfin et al. vs. Village of Rutland. Rutland County Court. This case was for

he same cause as No. 689. Heard before same commission and judgment rendered by Court on Commissioners' report for city to recover its costs, which have been paid.

No. 935. Thomas F. Lynch vs. City of Rutland. Rutland County Court. This was an action for damages resulting from the widening of Strongs Avenue in 1888 and grading of Wales Street. During the past year this case was heard before Commissioners C. H. Darling, Ozro Meacham and Simeon Allen. Upon the report of the Commission the Court rendered judgment for the city to recover costs. These costs were taxed at \$23.38 and have been paid.

No. 995. Judson H. Grant vs. City of Rutland. Rutland County Court. This is an action resulting from the emptying of sewage into Moon Brook. Continued at both March and September terms.

No. 2,117. Katie Ryan vs. John Hower, jr. Rutland County Court. This is a prosecution for bastardy at the instance of the Overseer of the Poor. Continued at both March and September terms.

No. 2,162. Horace G. Bateman vs. City of Rutland. Rutland County Court. This action is for damages accruing to the plaintiff's property from an alleged defective sewer on Terrill Street. This case came to trial at the March term, 1896. Jury disagreed. Continued at September term.

No. 2,167. William W. Bragg vs. City of Rutland. Rutland County Court. This is an action to recover damages resulting to the plaintiff's property by reason of the cutting off of a drain in laying the City water main. Continued at March and September terms.

No. 2,369. Mary J. Lynch vs. City of Rutland, et al. C. Thrall et al. Rutland County Court. This

was an appeal by petition of Mary J. Lynch to the County Court, arising from the laying, altering and widening of Strongs Avenue. A trial was had before Commissioners Charles H. Darling, Ozro Meacham and Simeon Allen during the past summer. Upon the Commissioner's report the highway was ordered laid and opened as at present worked and travelled by the Court. Dismissed without costs as to Street Commissioners. Judgment for plaintiff for \$1,171.50 and costs. Exceptions taken by both parties. A settlement has since been effected whereby the City paid \$1,207.11, and deeded a small spur of land to the plaintiff in settlement of all pending suits either party has against the other.

No. 2,290. Mary J. Lynch vs. Thomas C. Elworth et al. Rutland County Court. This is an action of trespass for tearing down the fence erected by the plaintiff across the travel track of Strongs Avenue. Included in settlement of No. 2,369.

No. 109. City of Rutland vs. Harriet F. Stimson. In Chancery. Bill and injunction against obstructing highway on Nichols Street. Continued at both March and September terms.

No. 232. City of Rutland vs. Edward H. Ripley. In Chancery. Bill and injunction against depositing filth and rubbish in the source of the City water supply. Continued at both March and September terms.

No. 231. City of Rutland vs. Mary J. Lynch. In Chancery. Bill and injunction against obstructing Strongs Avenue. Continued at both March and September terms.

No. 234. Albert F. Davis vs. City of Rutland. In Chancery. Bill and injunction against discharging sewage into "Moon Brook." Continued at March term, W. E. Johnson, Special Master.

Howley vs. Howley. Franklin County Court. This is an action to annul a marriage, defended by the City on account of the defendant being a pauper supported by the City, and claimed to be chargeable to the Town of St. Albans. Continued at both March and September terms.

No. 1,069. McNeal Pipe and Foundry Co. vs. Inman Brothers. Rutland County Court. City summoned as trustee. In this cause the claimant's action was sustained by the Supreme Court, and the trustee has paid claimant's Attorney \$670.47, which it held and has been discharged.

No. 2,274. Matthews vs. Inman Brothers. Rutland County Court. City summoned as trustee. No progress has been made.

During the year I have prosecuted several individuals for violations of the City ordinances, all of which have resulted in final conviction.

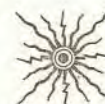
By the termination of the Lynch cases and the water cases of Ripley and Gilson and Woodfin the City has closed its suits of inheritance. A strict compliance with the charter and ordinances will hereafter, I feel, insure freedom from the heavy expense which the foregoing litigation has entailed. The most fruitful source of complaint during the past year has been from the failure of citizens to comply with the ordinances relative to connection with the sewers and the exercise of proper sanitary measures in the piping and plumbing of their homes. In most cases I found on investigation that their non-compliance arose rather from ignorance of the ordinances than wilfulness on the part of citizens, who hastened to remedy the defects when brought to their attention.

I would in closing respectfully direct the attention of the Board to the question of sewers as among the most important with which cities have to deal, and suggest that our system be extended as early as practicable in the more populous districts that the health of the community and the convenience of the citizens may be insured.

Respectfully,

P. F. McMANUS,

City Attorney.



## REPORT OF THE City Judge.

*To the Honorable City Council:*

GENTLEMEN:—From December 31, 1895, to December 31, 1896, this Court entered judgment in 67 civil cases. On the latter date there were pending 151 civil cases. A large number of criminal cases have also been disposed of, those in which the City is interested having been reported some time since.

The City's profits, arising from the taking, under the provisions of the charter, of the fees allowed to the police officers, amounts to \$701.10. The revenue from this source is large enough to warrant the expenditure of funds sufficient to meet the present needs of the City Court room.

Matting should be laid from the entrance of the Court room to the entrance of the Police Headquarters, and measures taken, as once suggested by your City Engineer, to remedy the acoustic defects of the room. The ventilation is also very bad and should be corrected without further delay.

Respectfully submitted,

J. A. MERRILL,

Judge.

## REPORT OF THE City Treasurer.

*To the Honorable City Council:*

GENTLEMEN—In accordance with the city ordinances I have the honor to submit the report of the City Treasurer for the fiscal year ending December 31, 1896:

Cash on hand Jan. 1, 1896.....	\$ 68,991 70	
Receipts during the year.....	753,491 06	—\$822,482 76
Disbursements during the year.....		761,637 04
Balance on hand Dec. 31, 1896.....		<u>\$ 60,845 72</u>

The amounts received and credited, and the payments made and charged to the several accounts on the books of this department, appear in the following statement:

### APPROPRIATIONS OF 1896.

Streets.....	\$ 18,897 51
Lights.....	12,500 00
Fire.....	7,500 00
Poor.....	8,500 00
Library.....	3,000 00
Police.....	4,000 00
Salaries.....	4,000 00
Interest.....	20,488 61
Schools.....	30,000 00
Sinking Fund.....	8,500 00
General.....	15,408 39
Sewers.....	206 32
Sewer extension .....	2,285 68
	<u>—\$135,286 51</u>

## CHARITIES AND CORRECTION.

Balance, 1895 .. . . . .	\$	30 00
James Beattie .. . . . .		161 38
Appropriation .. . . . .		8,500 00
Transferred from premium account .. . . .		581 24
Paid city warrants .. . . . \$	9,222 62	
	\$ 9,222 62	\$ 9,222 62

## DOG FUND.

H. B. Whittier, Clerk Clerk .. . . . .	\$	490 70
Transferred to general account .. . . . \$	490 70	
	\$ 490 70	\$ 490 70

## FIRE.

K. K. Hannum .. . . . .	\$	25 45
Appropriation .. . . . .		7,500 00
Paid city warrants .. . . . \$	7,475 68	
Balance .. . . . .	49 77	
	\$ 7,525 45	\$ 7,525 45

## GENERAL.

Balance, 1895 .. . . . .	\$	534 17
Insurance .. . . . .		225 00
Appropriation .. . . . .		15,408 39
H. B. Whittier, City Clerk, account of licenses and City Hall .. . . . .		1,020 85
J. F. Todd, rent .. . . . .		150 00
J. A. Merrill, Judge .. . . . .		701 10
W. Y. W. Ripley .. . . . .		155 00
Wayne Bailey, fines .. . . . .		31 79
School Board .. . . . .		28 90
Bonds sold .. . . . .		5,000 00
Premium on bonds .. . . . .		325 00
Transferred from dog fund .. . . . .		490 70
Transferred from premium account .. . . .		330 86
Paid city warrants .. . . . \$	24,401 76	
	\$ 24,401 76	\$ 24,401 76

## INTEREST.

E. C. Fish .. . . . .	\$	24 00
Interest on bonds sold .. . . . .		117 78
Appropriation .. . . . .		20,488 61
Sinking Fund .. . . . .		341 65
Paid city warrants .. . . . \$	20,972 04	
	\$ 20,972 04	\$ 20,972 04

## LIBRARY.

Appropriation .. . . . .	\$	3,000 00
Paid city warrant .. . . . \$	3,000 00	
	\$ 3,000 00	\$ 3,000 00

## LIQUOR.

Balance, 1895 .. . . . .	\$	395 76
H. C. Tower, agent .. . . . .		5,718 18
E. H. Wood, agent .. . . . .		500 00
Paid city warrants .. . . . \$	6,445 60	
Balance .. . . . .	168 34	
	\$ 6,613 94	\$ 6,613 94

## LIGHTS.

Appropriation .. . . . .	\$	12,500 00
Transferred from premium account .. . . .		913 81
Paid city warrants .. . . . \$	13,413 81	
	\$ 13,413 81	\$ 13,413 81

## PREMIUM.

Premium on bonds sold .. . . . .	\$	3,450 00
Transferred to general .. . . . . \$	330 86	
Transferred to police .. . . . .	310 22	
Transferred to lights .. . . . .	913 81	
Transferred to poor .. . . . .	531 24	
Transferred to sidewalks .. . . . .	1,363 87	
	\$ 3,450 00	\$ 3,450 00

## POLICE.

Balance, 1895 .. . . . .	\$	142 83
Appropriation .. . . . .		4,000 00
Transferred from premium .. . . . .		310 22
Paid city warrants .. . . . \$	4,453 05	
	\$ 4,453 05	\$ 4,453 05

## SALARIES.

Appropriation .. . . . .	\$	4,000 00
Paid city warrants .. . . . \$	3,966 30	
Balance .. . . . .	33 70	
	\$ 4,000 00	\$ 4,000 00

## SCHOOLS.

Balance, 1895.....	\$ 13,720 49	
State Treasurer, Huntington fund.....	400 93	
Appropriation .....	30,000 00	
Walter Clark, insurance.....	15 87	
Stockbridge, Vt., sale of seats.....	20 00	
Town of Rutland, town portion of main- taining schools at Center Rutland...	1,154 74	
State Treasurer, from state school tax...	1,622 22	
A. Turner, tuition.....	28 00	
School Commissioners.....	16 20	
Error in pay roll .....	10	
Interest on U. S. surplus.....	1,254 95	
Paid school warrants .....	\$ 44,575 58	
Balance.....	3,657 92	
	<u>\$ 48,233 50</u>	<u>\$ 48,233 50</u>

## SCHOOL BUILDING.

Balance, 1895.....	\$ 20,879 24	
School Commissioners.....	07	
School Commissioners' warrant .....	6,838 13	
Paid school warrants .....	\$ 15,456 48	
Balance.....	12,260 96	
	<u>\$ 27,717 44</u>	<u>\$ 27,717 44</u>

## SEWERS.

Appropriation... ..	\$ 206 32	
Transferred from water.....	5,000 00	
Paid city warrants.....	\$ 5,206 32	
	<u>\$ 5,206 32</u>	<u>\$ 5,206 32</u>

## MOON BROOK SEWER.

Bonds sold.....	\$ 25,000 00	
Premium on bonds.....	1,725 00	
Paid city warrants.....	\$ 1,608 69	
Balance.....	25,116 31	
	<u>\$ 26,725 00</u>	<u>\$ 26,725 00</u>

## SEWER EXTENSION.

Balance, 1895.....	\$ 13,711 71	
Appropriation. ....	2,285 68	
Paid city warrants.....	\$ 15,997 39	
	<u>\$ 15,997 39</u>	<u>\$ 15,997 39</u>

## SINKING FUND.

Balance, 1895.....	\$ 25,724 20	
Appropriation.....	8,500 00	
Interest received.....	899 81	
Paid city warrants.....	\$ 26,004 44	
*Balance.....	9,119 57	
	<u>\$ 35,124 01</u>	<u>\$ 35,124 01</u>

\*The balance in the sinking fund consists of \$7,000 of City of Rutland notes and \$2,119.57 in cash.

## SIDEWALKS.

Transferred from premium.....	\$ 1,363 87	
Assessments.....	162 63	
Paid city warrants.....	\$ 1,526 50	
	<u>\$ 1,526 50</u>	<u>\$ 1,526 50</u>

## STREETS.

Balance, 1895.....	\$ 564 40	
Appropriations.....	18,897 51	
Curbing assessments.....	255 35	
Crushed stone.....	40 39	
State Treasurer.....	266 40	
Paid city warrants.....	\$ 20,024 05	
	<u>\$ 20,024 05</u>	<u>\$ 20,024 05</u>

## TEMPORARY LOAN WARRANTS.

Warrants outstanding, Jan. 1, 1896.....	\$ 65,082 59	
No. 76, cash borrowed .....	10,000 00	
No. 77, cash borrowed .....	5,000 00	
No. 78, cash borrowed .....	5,000 00	
No. 79, cash borrowed .....	40,000 00	
No. 80, cash borrowed .....	20,000 00	
Paid city warrants.....	\$125,082 59	
Warrants outstanding .....	20,000 00	
	<u>\$145,082 59</u>	<u>\$145,082 59</u>

## WATER.

Balance, 1895.....	\$ 449 86	
C. A. Gale, hay sold.....	40 00	
Rents.....	25,162 91	
Paid city warrants .....	\$ 18,593 18	
Transferred to sewers... ..	5,000 00	
Balance.....	2,059 59	
	<u>\$ 25,652 77</u>	<u>\$ 25,652 77</u>

## WATER EXTENSION.

Balance, 1895..... \$ 701 24

## TAX LEVY.

Grand List, 1896, \$85,863.52.

From taxpayers, 1896..... \$121,095 16  
 From F. L. Clark, collector..... 300 00  
 Balance to F. L. Clark, collector..... 7,401 69  
 \$128,796 85  
 Transferred from tax levy, 1893..... 91 74  
 \$128,888 59

State, 8 per cent..... \$ 3,434 54  
 State school, 5 per cent..... 4,293 18  
 State road, 5 per cent..... 4,293 18  
 Highway, 20 per cent..... 17,172 70  
 School, 36 per cent..... 30,910 67  
 General, 70 per cent..... 60,106 23  
 Sinking fund, 10 per cent..... 8,586 35

\$128,796 85

Transferred from tax levy, 1893..... 91 74—\$128,888 59

## TAX LEVY OF 1895.

F. L. Clark, Constable.

Balance to 1896..... \$ 5,977 13  
 Cash..... \$ 1,550 00  
 Balance to 1897..... 4,427 13  
 \$ 5,977 13 \$ 5,977 13

## TAX LEVY OF 1894.

F. L. Clark, Constable.

Balance to 1896..... \$ 3,274 91  
 Cash..... \$ 1,050 00  
 Abatements..... 378 57  
 Balance to 1897..... 1,846 34  
 \$ 3,274 91 \$ 3,274 91

## TAX LEVY OF 1893.

M. G. McCormack, Constable.

Balance to 1896..... \$ 156 13  
 Abatements..... \$ 50 89  
 Transferred to tax levy 1896..... 91 74  
 Balance to 1897..... 13 50  
 \$ 156 13 \$ 156 13

## SUMMARY.

Appropriation.....	\$198,823 13	\$200,281 85
Charities and corrections.....	9,222 62	9,222 62
Dog fund.....	490 70	490 70
Fire.....	7,475 68	7,525 45
General.....	24,401 76	24,401 76
Interest.....	20,972 04	20,972 04
Library.....	3,000 00	3,000 00
Liquor.....	6,445 60	6,613 94
Lights.....	13,413 81	13,413 81
Moon brook sewer.....	1,608 69	26,725 00
Premium.....	3,450 00	3,450 00
Police.....	4,453 05	4,453 05
Salaries.....	3,966 30	4,000 00
Schools.....	44,575 58	48,233 50
School building.....	15,456 48	27,717 44
Sewers.....	5,206 32	5,206 32
Sewer extension.....	15,997 39	15,997 37
Sidewalks.....	1,526 50	1,526 50
Streets.....	20,024 05	20,024 05
Sinking fund.....	26,004 44	35,124 01
Temporary loan warrant.....	125,082 59	145,082 59
Water.....	23,593 18	25,652 77
Water extension.....		701 24
Taxes.....	121,095 16	121,095 16
Tax levy 1896.....	128,796 85	121,395 16
Transferred from tax levy 1893 to 1896.....	91 74	
Tax levy 1895.....	5,977 13	1,550 00
Tax levy 1894.....	3,274 91	1,428 57
Tax levy 1893.....	156 13	142 63
Balance on hand.....	60,845 72	
	\$895,427 55	\$895,427 55

## STATEMENT.

Showing the Balance of Accounts December 31, 1896.

Appropriation.....	\$ 1,458 72
Fire.....	49 77
Liquor.....	168 34
Moon brook sewer.....	25,116 31
Salaries.....	33 70
Schools.....	3,657 92
School building.....	12,260 96
Sinking fund.....	9,119 57
Temporary warrants.....	20,000 00
Water.....	2,059 59
Water extension.....	701 24

Due on tax levy, 1896.....	\$ 7,401 69	
Due on tax levy, 1893 transferred to 1896	91 74	
Due on tax levy, 1895.....	4,427 13	
Due on tax levy, 1894.....	1,846 34	
Due on tax levy, 1893.....	13 50	
Cash on hand.....	60,845 72	
	<u>\$ 74,626 12</u>	<u>\$ 74,626 12</u>

## STATEMENT OF THE DEBT OF THE CITY

DECEMBER 31, 1896.

## WATER DEBT.

Coupon bonds, 5 per cent (old), due January, 1899.....	\$ 13,500 00
Coupon bonds, 5 per cent (old), due July, 1899..	17,000 00
Coupon bonds, 4 per cent (new) due May, 1924.....	50,000 00
Coupon bonds, 4 per cent (new), due November, 1924.....	15,000 00
Coupon bonds, 4 per cent (new), due November, 1924.....	50,000 00
Refunding Note, 4 per cent (new) due November, 1925.....	2,000 00—\$147,500 00

## GENERAL DEBT.

Coupon bonds, 4 per cent (new) due May, 1924.....	\$100,000 00
Coupon bonds, 4 per cent (new), due November, 1924.....	50,000 00
Coupon bonds, 4 per cent (new), due June, 1926.....	25,000 00—\$175,000 00

## SCHOOL DEBT.

Coupon bond, 4 per cent (old), due November, 1897.....	\$ 1,000 00
Coupon bonds, 5 per cent (old), due December 1897.....	2,000 00
Coupon bond, 4 per cent (old), due November, 1898.....	1,000 00
Coupon bonds, 5 per cent (old), due December, 1898.....	2,000 00
Coupon bond, 4 per cent (old), due November, 1899.....	1,000 00

Coupon bonds, 5 per cent (old), due December, 1899....	2,000 00
Coupon bonds, 5 per cent (old), due December, 1900.....	2,000 00
Coupon bonds, 4 per cent (new), due November, 1904.....	10,000 00
Coupon bonds, 4 per cent (new), due November, 1908.....	10,000 00
Coupon bonds, 4 per cent (new), due November, 1914.....	10,000 00
Coupon bonds, 4 per cent (new), due November, 1919.....	10,000 00
Coupon bonds, 4 per cent (new), due May, 1925.....	30,000 00
Refunding note, 4 per cent (new), due November, 1925.....	5,000 00— \$86,000 00

## SEWER DEBT.

Coupon bonds, 4 per cent (new), due November, 1924.....	25,000 00
Coupon bonds, 4 per cent (new), due May, 1926.....	75,000 00—\$100,000 00
Total bonded debt.....	<u>\$508,500 00</u>

U. S. surplus.....	\$ 20,915 85
City warrants unpaid (trusteed) .....	2,000 00
Central Vt., R. R., balance due on Pine street tunnel.....	3,099 00
A. L. Adams, due for repairing concrete roadway and walks.....	854 05
Mary J. Lynch, due for judgment and costs.....	1,207 11
Temporary loan warrants outstanding...	20,000 00—\$ 48,076 01
	<u>\$556,576 01</u>

## RESOURCES.

Taxes uncollected.....	\$ 13,780 40
Water rents unpaid.....	4,750 57
Curbing, sewer and sidewalk assessments unpaid.....	3,162 22
Due from Central Vt., R. R. Co., for crushed stone .....	500 00
Due from Central Vt., R. R. Co., for proportion of depot park improvements.....	740 36
Due from hall and opera house licenses..	164 60

Cash on hand (including sinking fund \$9,119.57).....	60,845 72	\$ 83,943 87
Net debt .....		<u>\$472,632 14</u>

Number of polls, April 1, 1896, 2658.

Rate of taxation, \$15 per \$1000.

Respectfully submitted,

WILL L. DAVIS,  
City Treasurer.



## REPORT OF THE COMMISSIONERS OF Sinking Fund.

*To the Honorable City Council, Rutland, Vt.:*

The following statement shows the condition of the Sinking Fund of the City, the receipts, expenditures and present investment of the same:—

Appropriations for 1893.....	\$ 8,304 93
Appropriations for 1894.....	8,188 54
Appropriations for 1895.....	8,500 00
Appropriations for 1896.....	8,500 00
Interest received.....	1,630 54
Total receipts.....	<u>\$35,124 01</u>

The expenditures are as follows:—

For late Town of Rutland bonds, 10 \$1,000 each.....	\$ 10,000 00
For late Town of Rutland bonds, 10 \$1,000 each. ....	10,000 00
Interest on latter.....	4.44
For late village of Rutland water bonds due Jan. 1, 1897	6,000 00
Total expenditures.....	<u>\$26,004 44</u>

The balance remaining in said Sinking Fund consists of:—

City of Rutland 4 per cent School Refunding Note, due Nov. 1, 1925.....	\$ 5,000 00
City of Rutland 4 per cent Water Refunding Note, due Nov. 1, 1925 .....	2,000 00
Cash in the hands of the City Treasurer to the credit of the Sinking Fund.....	2,119 57
	<u>\$ 9,119 57</u>

The obligations of the late Town and Village of Rutland, assumed by the City, which have been paid and cancelled as shown by this statement amount to \$26,000.

As no special report of the Sinking Fund Commissioners has heretofore been made to you, the foregoing is

Respectfully submitted,

GEO. E. ROYCE, } Commissioners  
N. P. KINGSLEY, } of  
C. CLARK, } Sinking Fund, 1896.



## REPORT OF THE Committee on Finance.

*To the Honorable City Council:—*

The statements appearing on pages 15-62 inclusive give a detailed account of the expenditures for the year 1896. The Treasurer has paid the warrant in favor of C. H. Winters, mentioned in the last report as outstanding, which accounts for the difference of \$30.00 in the footings of the Charities and Corrections accounts. The sum of \$2,000.00 is due Inman Brothers on warrants drawn in 1894, the balance having been paid during the year. This item of \$2,000.00 is held pending the settlement of a suit in which the City is named as trustee.

Graded school district bonds to the amount of \$3,000.00 have been paid, also the outstanding indebtedness brought over from the year 1895. These items were met by the proceeds of bonds voted at the general meeting held May 21st, 1896.

The uncollected taxes in the hands of the City Constable amount to \$13,780.40, and there is due the City for licenses, for curbing, sidewalk, sewer connection, and other assessments the sum of \$4,567.17, and for water rents \$4,750.57.

We recommend the following appropriations for the year 1897:—

Streets . . . . .	\$ 17,000 00
Sewers . . . . .	4,000 00

Sidewalks . . . . .	1,000 00
Lights . . . . .	12,500 00
Fire Department . . . . .	7,500 00
Charities and Corrections . . . . .	8,500 00
Public Library . . . . .	3,000 00
Police . . . . .	4,000 00
Salaries . . . . .	4,000 00
Interest . . . . .	20,000 00
Schools . . . . .	35,000 00
Sinking Fund . . . . .	8,500 00
General Account including state taxes . . . . .	15,000 00
	<hr/>
	\$140,000 00

The increase in the appropriations recommended is due to the increased interest account, the extra appropriation for schools and the increase in the amount of state tax to be paid. There is also an overdraft caused by the extra appropriations made at the close of the present year.

If this increased expense is to be met by taxation, it will be necessary to raise the rate to seventeen dollars and fifty cents per thousand.

The following bonds have been issued during the year:—\$50,000.00 to take up outstanding temporary loan warrants issued in 1895 for the completion of Trunk Line Sewer No. 2 and the building of the Forest Street, Granger Street and other sewers; \$25,000.00 for the construction of the Moon Brook Sewer, and \$25,000.00 to retire outstanding indebtedness. The report of the Commissioners of Sinking Fund shows that they have taken up bonds to the amount of \$26,000.00, and Graded School District Bonds to the amount of \$3,000.00 have been paid as stated above. This makes a net increase of \$71,000.00 in the bonded debt of the City,

and necessitates an additional appropriation of nearly \$3,000.00 to the interest account.

The State tax rate for 1897 is ten per cent, against four per cent for the year previous, making an increase of about \$4,300.00 in the amount of tax to be paid.

The School Commissioners have called for \$5,000.00 more than was appropriated in 1896, and there is the overdraft mentioned above to be met.

Taking the fixed expenses of 1896 as a basis, we estimate that the expenditures for the coming year for the light, fire, charities and corrections public library, police, interest and salaries accounts will be not less than \$61,500.00. Add to this amount the overdraft of \$10,000.00; the state taxes, \$17,000.00; the highway tax, \$17,000.00; the appropriation for schools, \$35,000.00 and for the sinking fund, \$8,500.00, and the total amount will be \$149,000.00.

A tax of one hundred and seventy-five per cent will raise about \$150,000.00. If the usual amount, 95 per cent, is paid into the treasury during the tax period, the net amount available for the expenses of the year will be \$142,500.00—\$6,500.00 less than the estimate given above. In this estimate no allowance has been made for the sewer account, the sidewalk account or the general expenses chargeable to the general account. The only funds available for these accounts and the deficiency between the tax assessed and the amount that will probably be paid into the treasury are what will be received from licenses, hall rents, unpaid taxes in the hands of the Constable, sewer and other assessments and the surplus to be transferred from the water account.

We think it is evident that for the coming year at least an increased tax rate is necessary. It can be obviated in the future only by a reduction of the fixed expenses or by an increased grand list.

## ASSETS OF THE CITY OF RUTLAND.

AS SHOWN BY INVENTORIES ON FILE IN THE CITY CLERK'S  
OFFICE.

Real estate, consisting of school houses, school lots, city hall, city poor farm, etc., as appraised by the city assessors.....	\$280,600 00
City water works, entire plant, including real estate, reservoirs, pipes, hydrants, etc.....	267,000 00
City highway department, comprising crusher, drill, tools, road roller, road machine, etc.....	\$6,889 56
Sewer pipe on hand.....	1,353 20— 8,242 76
City poor farm account, comprising personal prop- erty on hand at the city farm.....	1,821 03
City fire department, comprising prop- erty on hand at Station 1.....	\$16,295 12
Property on hand at Station 2... ..	3,863 41— 20,158 53
City water works, tools, stock on hand, etc.....	2,959 94
Personal property on hand in city hall building.....	1,109 59
Uncollected taxes.....	13,780 40
Unpaid water rents.....	4,750 57
Unpaid curbing, and sewer assessments, etc.....	3,162 22
Due from Central Vermont Railroad Company for crushed stone.....	\$500 00
Due for proportion of depot park im- provement.....	740 36— 1,240 36
Due for hall and opera house licenses....	164 60
Sinking fund.....	9,119 57
Cash on hand .....	51,726 15
	<u>\$665,835 72</u>

## LIABILITIES OF THE CITY OF RUTLAND.

Water debt, bonded, as per treasurer's statement....	\$147,500 00
General debt, bonded .....	175,000 00
School debt, bonded.....	86,000 00
Sewer debt, bonded.. ..	100,000 00
City warrants unpaid (trusteed).....	2,000 00
Central Vermont Railroad Company, balance due on Pine street tunnel. ....	3,099 00
U. S. surplus fund.....	20,915 85
Temporary loan warrants outstanding.....	20,000 00

A. L. Adams, due for repairing concrete roadway and walks.....	854 05
Mary J. Lynch, due for judgment and costs.....	1,207 11
	<u>\$556,576 01</u>

Excess of Assets over Liabilities ..... \$109,259.71.

Respectfully submitted,

GEO. E. ROYCE, } Committee on  
H. A. SAWYER, } Finance.  
H. F. NOYES, }



## REPORT OF THE City Auditors.

*To the Honorable City Council:—*

In compliance with section 14, chapter 7 of the City ordinances, we, the undersigned Auditors of the City of Rutland, herewith submit our report for the year ending December 31, 1896.

We have carefully examined the books of the City Treasurer, City Clerk, City Liquor Agent, Overseer of the Poor, and all warrants drawn upon the City Treasurer by the Honorable City Council, and we find that the Treasurer has proper vouchers for all moneys paid out.

We find that the City Clerk, City Liquor Agent and Overseer of the Poor have properly accounted for all moneys received by them.

We find the tax levy of 1896 to have been \$128,796.85. Of this \$121,395.16 has been paid, leaving \$7,401.69 in the hands of the Constable in process of collection. The total amount of uncollected taxes now due the City amounts to \$13,780.40, distributed through the following years:—

1893 . . . . .	\$ 13 50
1894 . . . . .	1,846 34
1895 . . . . .	4,427 13
1896 (transferred from 1893) . . . . .	91 74
1896 . . . . .	7,401 69
	<u>\$13,780 40</u>

We find that there has been \$26,000 worth of bonds taken up from the Sinking Fund during the past year. These consist of \$20,000 of old village bonds issued in 1882 and 1883, and \$6,000 of water bonds issued in 1878. There has also been \$3,000 in school bonds taken up from the general account. The balance remaining in said Sinking Fund consists of:—

City of Rutland 4 per cent School Refunding Note, due Nov. 1, 1925 . . . . .	\$ 5,000 00
City of Rutland 4 per cent Water Refunding Note, due Nov. 1, 1925 . . . . .	2,000 00
Cash to the credit of the Sinking Fund . . . . .	2,119 57
	<u>\$ 9,119 57</u>

We find the temporary Loan Warrant Account as follows:—

Temporary loan warrants issued . . . . .	\$ 145,082 59
Temporary loan warrants paid . . . . .	125,082 59
Unpaid warrants . . . . .	<u>\$ 20,000 00</u>

We find the present financial condition of the City of Rutland to be as follows:—

### BONDED INDEBTEDNESS.

Water . . . . .	\$ 147,500 00
General . . . . .	175,000 00
School . . . . .	86,000 00
Sewer . . . . .	100,000 00

To be added to the above:—

Due Inman Brothers . . . . .	2,000 00
C. V. R. R., bal. Pine street tunnel . . . . .	3,099 00
U. S. Surplus fund . . . . .	20,915 85
Temporary loan warrants outstanding . . . . .	20,000 00
Due A. L. Adams, concrete work . . . . .	854 05
Due Mary J. Lynch, judgment, cost . . . . .	1,207 11
	<u>\$ 556,576 01</u>

## RESOURCES.

Taxes uncollected . . . . .	\$ 13,780 40
Water rents unpaid . . . . .	4,750 57
Curbing, sewer and sidewalk assessments . . . . .	3,162 22
C. V. R. R., crushed stone . . . . .	500 00
C. V. R. R., proportion of Depot Park . . . . .	740 36
Opera house licenses, etc . . . . .	164 60

## CASH ON HAND.

Credit sinking fund . . . . .	\$ 9,119 57
Credit Moon Brook sewer . . . . .	25,116 31
Cash for current expenses . . . . .	26,609 84— 60,845.72
	<u>\$ 83,943 87</u>
Bonded indebtedness, etc . . . . .	\$ 556,576 01
Resources . . . . .	83,943 87
	<u>\$ 472,632 14</u>

GEO. F. LEONARD,  
C. W. PENNINGTON, } Auditors.  
A. BROUSSEAU,

Rutland, Feb., 1897.



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